

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8\150CM32WHL46W65K.IES

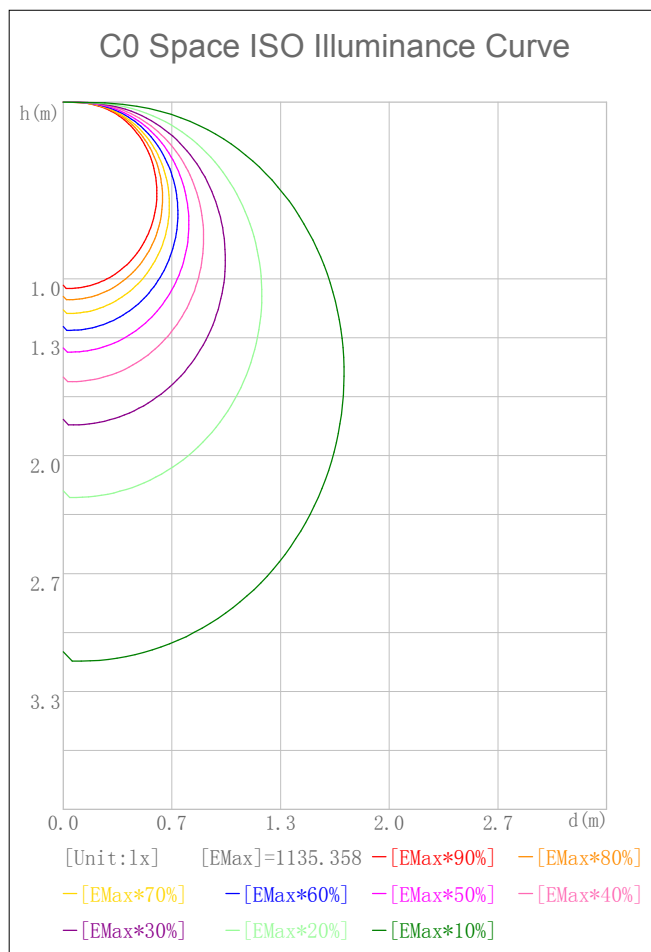
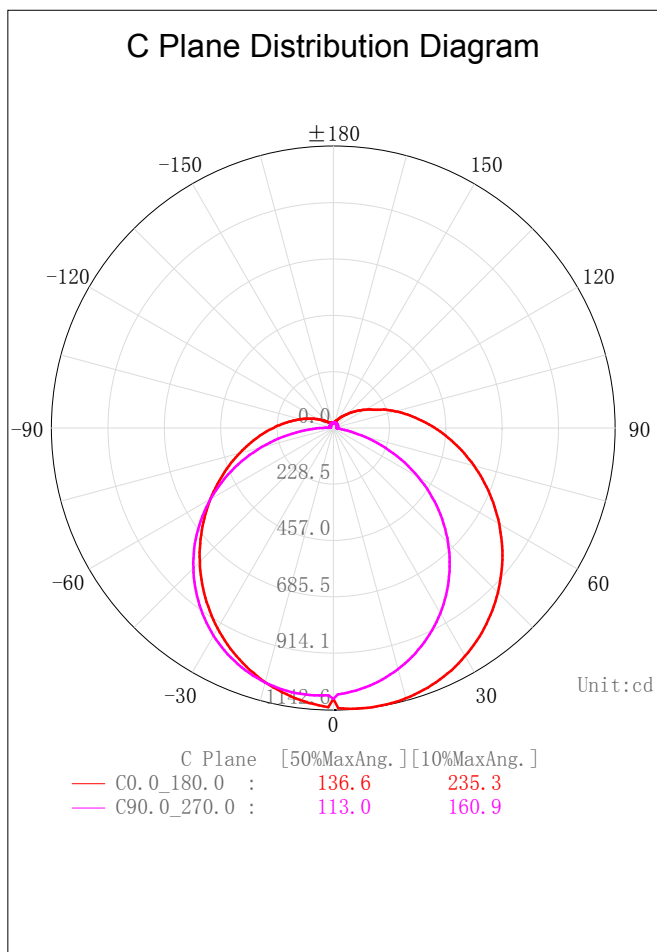
Indoor Luminaire Photometric Data

Description Information

Luminary Name: T8\150CM32WHL46W65K		Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:		Lamp Catalog:	Test Date: 2018/04/02
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):50	Lamp CCT(K): 6500 Ra: 80
Lum. Size(W*L*H):0.027m*1.500m*0.027m		Lum. Area(m2):0.081	Lum. W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp.(°C): 25	Humidity(%): 60.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 4160.000	Luminary Flux(lm): 4259.110	Field Angle(10%Imax): 235.3(°)	
Rated Power(W): 32	Luminary Efficiency: 102.38%	Down Lumens&Percent: 3768.982lm 88.49%	
Rated Voltage(V): 230	Luminary EER(lm/W): 131.050	Up Lumens&Percent: 490.127lm 11.51%	
Tested Power(W): 32.500	Max. Candela(cd): 1142.575	S/MH: C0_a180=1.354 C90_270=1.247	
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 γ=8.0	CIE Type: General Diffuse	
Tested Electrics(V, A, pf):229.5, 0.151, 0.933	Beam Angle(50%Imax): 136.6(°)	ErP Φ use(120°): 2562.477lm	
Lamp Size(W*L*H):0.027m*1.500m*0.027m	Left=-60.2°, Right=76.5°	IRF(%): 99.662	



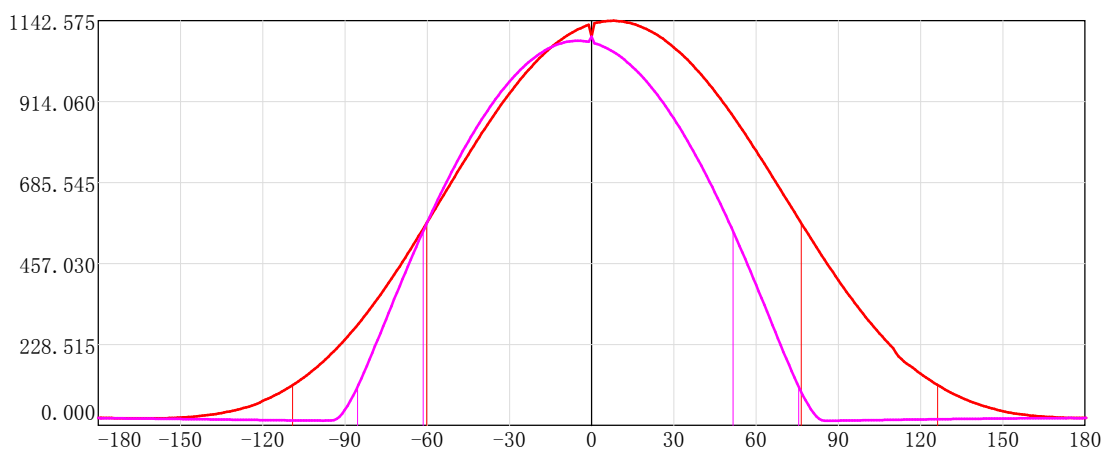
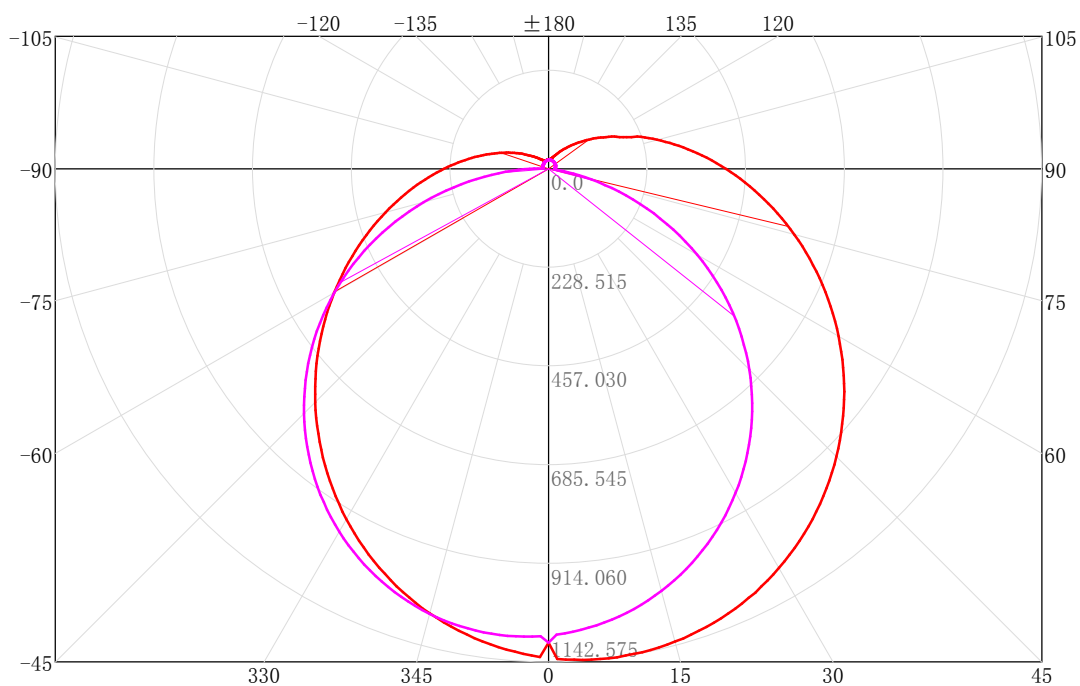
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2D Plane Light Intensity Distribution Curve

Lum. Name: T8\150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	136.6	235.3	
—	C90.0_270.0 :	113.0	160.9	

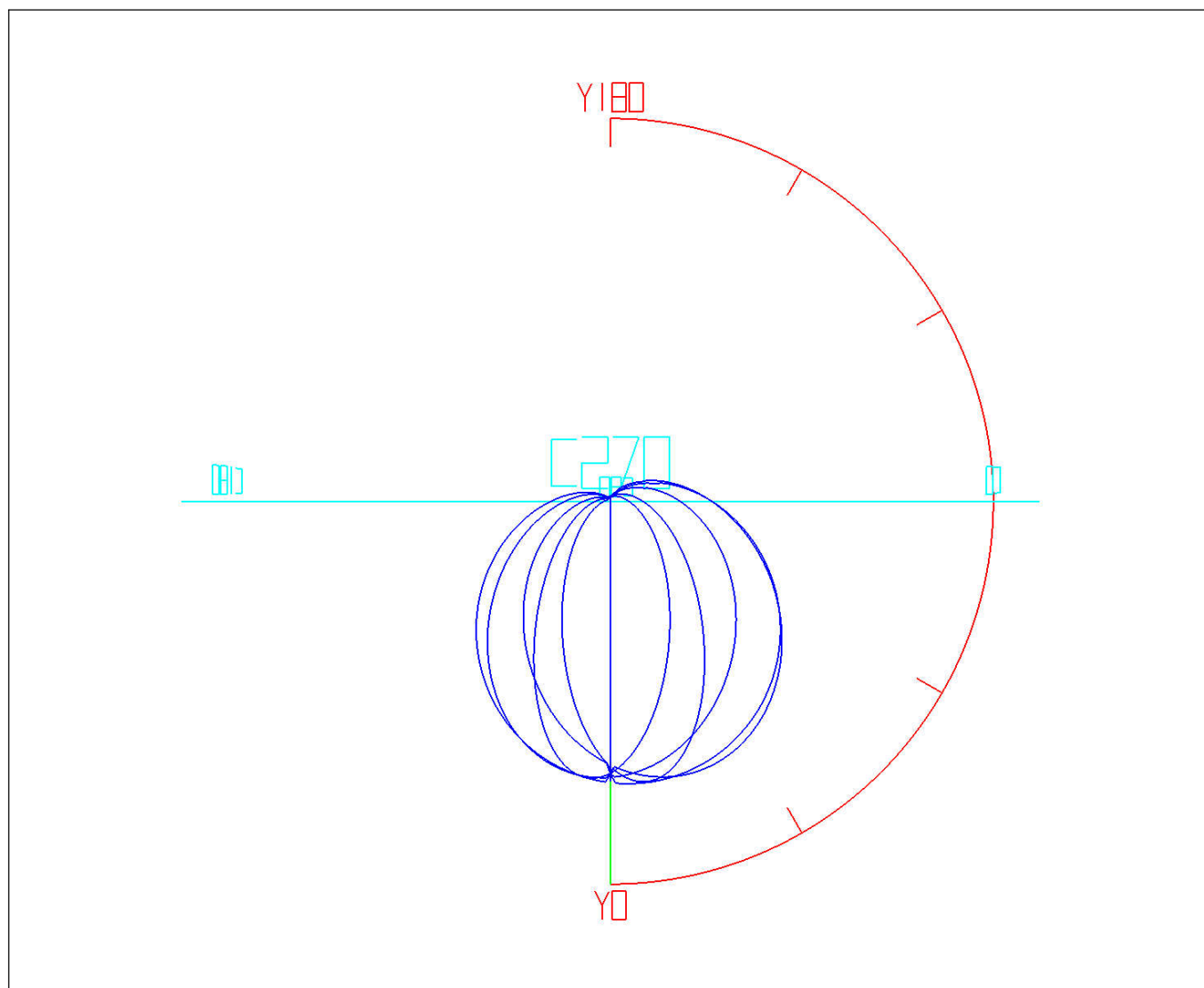
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3D Light Intensity Distribution Modal

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

3D Light Intensity Distribution Modal



Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

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Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.05	1.05	0.03	0.03	47.0-48.0	60.68	60.68	1.46	1.46
1.0-2.0	3.13	4.18	0.08	0.10	48.0-49.0	60.58	121.26	1.46	2.91
2.0-3.0	5.22	9.40	0.13	0.23	49.0-50.0	60.40	181.66	1.45	4.37
3.0-4.0	7.30	16.69	0.18	0.40	50.0-51.0	60.16	241.83	1.45	5.81
4.0-5.0	9.37	26.06	0.23	0.63	51.0-52.0	59.87	301.69	1.44	7.25
5.0-6.0	11.42	37.48	0.27	0.90	52.0-53.0	59.51	361.21	1.43	8.68
6.0-7.0	13.47	50.95	0.32	1.22	53.0-54.0	59.09	420.30	1.42	10.10
7.0-8.0	15.49	66.44	0.37	1.60	54.0-55.0	58.62	478.91	1.41	11.51
8.0-9.0	17.50	83.95	0.42	2.02	55.0-56.0	58.08	537.00	1.40	12.91
9.0-10.0	19.49	103.44	0.47	2.49	56.0-57.0	57.49	594.49	1.38	14.29
10.0-11.0	21.45	124.89	0.52	3.00	57.0-58.0	56.84	651.33	1.37	15.66
11.0-12.0	23.39	148.29	0.56	3.56	58.0-59.0	56.14	707.47	1.35	17.01
12.0-13.0	25.30	173.59	0.61	4.17	59.0-60.0	55.39	762.86	1.33	18.34
13.0-14.0	27.18	200.77	0.65	4.83	60.0-61.0	54.59	817.45	1.31	19.65
14.0-15.0	29.03	229.80	0.70	5.52	61.0-62.0	53.74	871.19	1.29	20.94
15.0-16.0	30.84	260.63	0.74	6.27	62.0-63.0	52.84	924.03	1.27	22.21
16.0-17.0	32.61	293.24	0.78	7.05	63.0-64.0	51.91	975.94	1.25	23.46
17.0-18.0	34.34	327.58	0.83	7.87	64.0-65.0	50.94	1026.88	1.22	24.68
18.0-19.0	36.04	363.62	0.87	8.74	65.0-66.0	49.92	1076.79	1.20	25.88
19.0-20.0	37.69	401.31	0.91	9.65	66.0-67.0	48.87	1125.66	1.17	27.06
20.0-21.0	39.29	440.59	0.94	10.59	67.0-68.0	47.78	1173.45	1.15	28.21
21.0-22.0	40.84	481.44	0.98	11.57	68.0-69.0	46.67	1220.11	1.12	29.33
22.0-23.0	42.35	523.79	1.02	12.59	69.0-70.0	45.53	1265.64	1.09	30.42
23.0-24.0	43.81	567.60	1.05	13.64	70.0-71.0	44.37	1310.01	1.07	31.49
24.0-25.0	45.22	612.81	1.09	14.73	71.0-72.0	43.18	1353.19	1.04	32.53
25.0-26.0	46.57	659.38	1.12	15.85	72.0-73.0	41.97	1395.16	1.01	33.54
26.0-27.0	47.87	707.25	1.15	17.00	73.0-74.0	40.75	1435.91	0.98	34.52
27.0-28.0	49.10	756.35	1.18	18.18	74.0-75.0	39.53	1475.44	0.95	35.47
28.0-29.0	50.29	806.64	1.21	19.39	75.0-76.0	38.29	1513.73	0.92	36.39
29.0-30.0	51.41	858.05	1.24	20.63	76.0-77.0	37.05	1550.77	0.89	37.28
30.0-31.0	52.48	910.53	1.26	21.89	77.0-78.0	35.81	1586.59	0.86	38.14
31.0-32.0	53.48	964.00	1.29	23.17	78.0-79.0	34.58	1621.17	0.83	38.97
32.0-33.0	54.41	1018.42	1.31	24.48	79.0-80.0	33.36	1654.53	0.80	39.77
33.0-34.0	55.29	1073.71	1.33	25.81	80.0-81.0	32.15	1686.68	0.77	40.55
34.0-35.0	56.11	1129.81	1.35	27.16	81.0-82.0	30.97	1717.66	0.74	41.29
35.0-36.0	56.85	1186.67	1.37	28.53	82.0-83.0	29.81	1747.47	0.72	42.01
36.0-37.0	57.53	1244.20	1.38	29.91	83.0-84.0	28.68	1776.15	0.69	42.70
37.0-38.0	58.15	1302.36	1.40	31.31	84.0-85.0	27.59	1803.74	0.66	43.36
38.0-39.0	58.70	1361.06	1.41	32.72	85.0-86.0	26.54	1830.28	0.64	44.00
39.0-40.0	59.19	1420.25	1.42	34.14	86.0-87.0	25.51	1855.79	0.61	44.61
40.0-41.0	59.61	1479.86	1.43	35.57	87.0-88.0	24.51	1880.30	0.59	45.20
41.0-42.0	59.96	1539.82	1.44	37.01	88.0-89.0	23.53	1903.83	0.57	45.77
42.0-43.0	60.24	1600.06	1.45	38.46	89.0-90.0	22.58	1926.40	0.54	46.31
43.0-44.0	60.47	1660.53	1.45	39.92	90.0-91.0	21.66	1948.06	0.52	46.83
44.0-45.0	60.62	1721.15	1.46	41.37	91.0-92.0	20.77	1968.83	0.50	47.33
45.0-46.0	60.70	1781.86	1.46	42.83	92.0-93.0	19.93	1988.76	0.48	47.81
46.0-47.0	60.72	1842.58	1.46	44.29	93.0-94.0	19.12	2007.88	0.46	48.27

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Zonal Flux Tabulation - (Cont.)

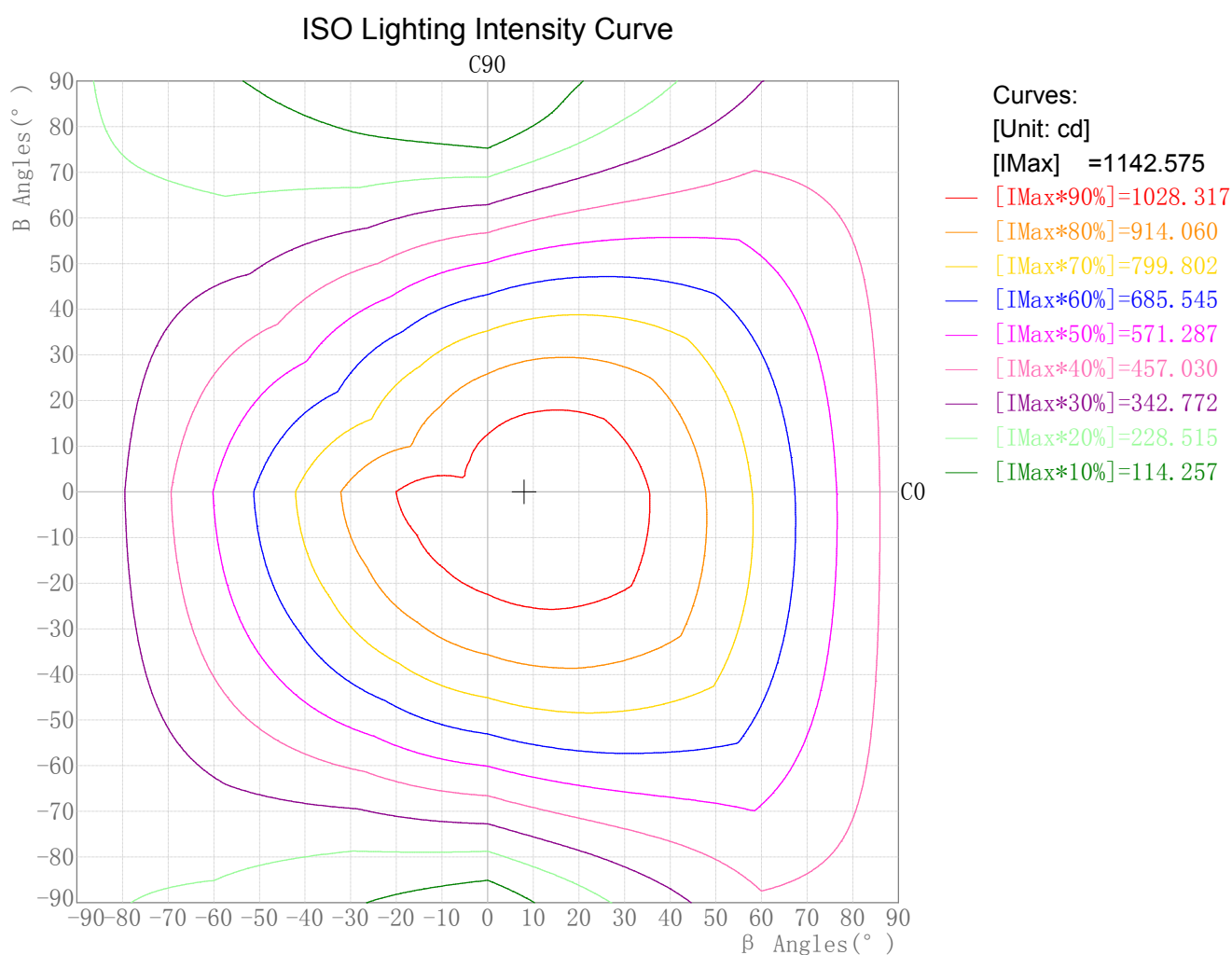
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	18.36	18.36	0.44	0.44	141.0-142.0	2.14	2.14	0.05	0.05
95.0-96.0	17.65	36.01	0.42	0.87	142.0-143.0	2.04	4.17	0.05	0.10
96.0-97.0	16.95	52.96	0.41	1.27	143.0-144.0	1.94	6.11	0.05	0.15
97.0-98.0	16.27	69.23	0.39	1.66	144.0-145.0	1.84	7.96	0.04	0.19
98.0-99.0	15.62	84.85	0.38	2.04	145.0-146.0	1.75	9.71	0.04	0.23
99.0-100.0	14.98	99.84	0.36	2.40	146.0-147.0	1.67	11.38	0.04	0.27
100.0-101.0	14.37	114.21	0.35	2.75	147.0-148.0	1.59	12.97	0.04	0.31
101.0-102.0	13.78	127.99	0.33	3.08	148.0-149.0	1.51	14.49	0.04	0.35
102.0-103.0	13.21	141.20	0.32	3.39	149.0-150.0	1.44	15.93	0.03	0.38
103.0-104.0	12.66	153.86	0.30	3.70	150.0-151.0	1.37	17.30	0.03	0.42
104.0-105.0	12.13	165.99	0.29	3.99	151.0-152.0	1.31	18.61	0.03	0.45
105.0-106.0	11.61	177.60	0.28	4.27	152.0-153.0	1.25	19.85	0.03	0.48
106.0-107.0	11.11	188.71	0.27	4.54	153.0-154.0	1.19	21.04	0.03	0.51
107.0-108.0	10.61	199.33	0.26	4.79	154.0-155.0	1.13	22.17	0.03	0.53
108.0-109.0	10.12	209.44	0.24	5.03	155.0-156.0	1.07	23.24	0.03	0.56
109.0-110.0	9.65	219.10	0.23	5.27	156.0-157.0	1.02	24.26	0.02	0.58
110.0-111.0	9.20	228.30	0.22	5.49	157.0-158.0	0.97	25.23	0.02	0.61
111.0-112.0	8.77	237.06	0.21	5.70	158.0-159.0	0.92	26.15	0.02	0.63
112.0-113.0	8.38	245.44	0.20	5.90	159.0-160.0	0.87	27.03	0.02	0.65
113.0-114.0	8.01	253.45	0.19	6.09	160.0-161.0	0.83	27.85	0.02	0.67
114.0-115.0	7.65	261.10	0.18	6.28	161.0-162.0	0.78	28.63	0.02	0.69
115.0-116.0	7.32	268.42	0.18	6.45	162.0-163.0	0.73	29.37	0.02	0.71
116.0-117.0	7.00	275.41	0.17	6.62	163.0-164.0	0.69	30.05	0.02	0.72
117.0-118.0	6.66	282.07	0.16	6.78	164.0-165.0	0.64	30.70	0.02	0.74
118.0-119.0	6.33	288.40	0.15	6.93	165.0-166.0	0.60	31.30	0.01	0.75
119.0-120.0	6.02	294.43	0.14	7.08	166.0-167.0	0.56	31.86	0.01	0.77
120.0-121.0	5.75	300.18	0.14	7.22	167.0-168.0	0.52	32.37	0.01	0.78
121.0-122.0	5.50	305.68	0.13	7.35	168.0-169.0	0.47	32.85	0.01	0.79
122.0-123.0	5.26	310.93	0.13	7.47	169.0-170.0	0.43	33.28	0.01	0.80
123.0-124.0	5.01	315.95	0.12	7.59	170.0-171.0	0.39	33.66	0.01	0.81
124.0-125.0	4.78	320.73	0.11	7.71	171.0-172.0	0.35	34.01	0.01	0.82
125.0-126.0	4.56	325.29	0.11	7.82	172.0-173.0	0.31	34.32	0.01	0.82
126.0-127.0	4.36	329.65	0.10	7.92	173.0-174.0	0.26	34.58	0.01	0.83
127.0-128.0	4.17	333.81	0.10	8.02	174.0-175.0	0.22	34.80	0.01	0.84
128.0-129.0	3.98	337.79	0.10	8.12	175.0-176.0	0.18	34.98	0.00	0.84
129.0-130.0	3.80	341.59	0.09	8.21	176.0-177.0	0.14	35.13	0.00	0.84
130.0-131.0	3.62	345.21	0.09	8.30	177.0-178.0	0.10	35.23	0.00	0.85
131.0-132.0	3.46	348.67	0.08	8.38	178.0-179.0	0.06	35.29	0.00	0.85
132.0-133.0	3.30	351.97	0.08	8.46	179.0-180.0	0.02	35.31	0.00	0.85
133.0-134.0	3.14	355.11	0.08	8.54					
134.0-135.0	3.00	358.11	0.07	8.61					
135.0-136.0	2.85	360.96	0.07	8.68					
136.0-137.0	2.72	363.68	0.07	8.74					
137.0-138.0	2.59	366.27	0.06	8.80					
138.0-139.0	2.47	368.74	0.06	8.86					
139.0-140.0	2.35	371.09	0.06	8.92					
140.0-141.0	2.24	373.34	0.05	8.97					

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Rectangle ISO Lighting Intensity Diagram

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02



Maximum Light Intensity(cd): 1142.57

Maximum Cand.@Angle: H=8.0°,V=0.0°

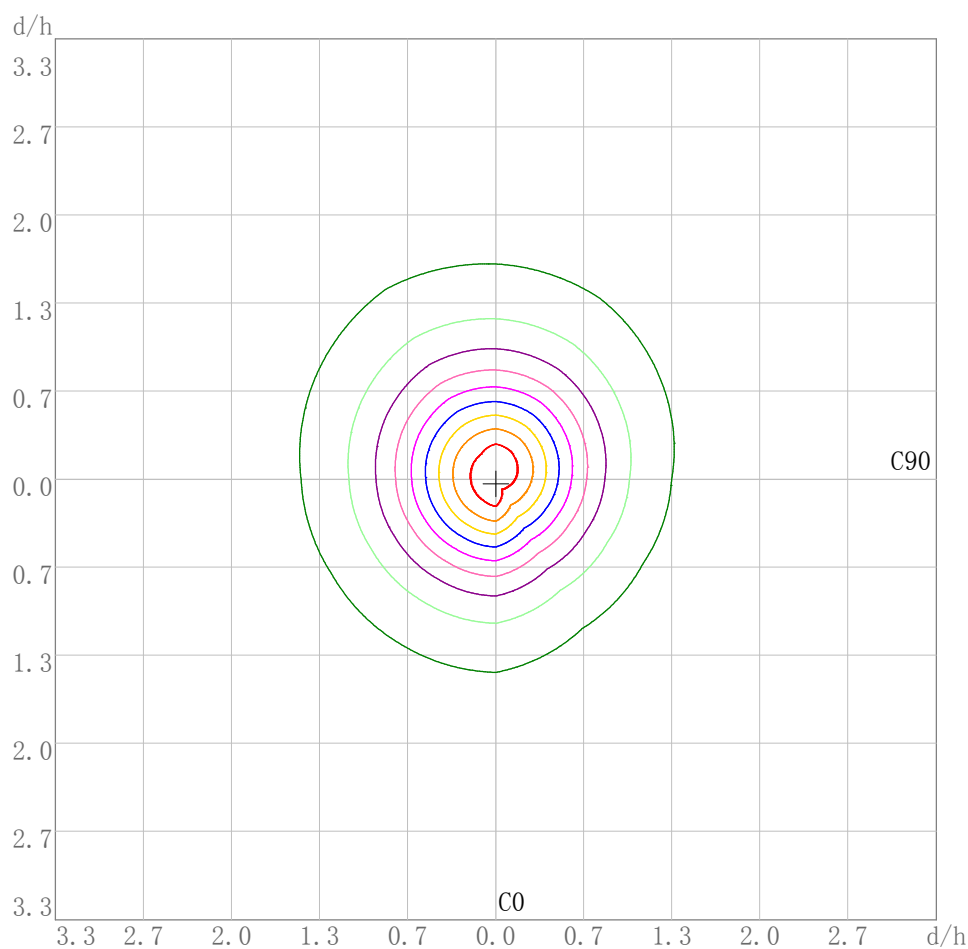
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Plane ISO-Illuminance Diagram

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

Plane ISO-Illuminance Curve



- Curves:
unit:lx
[EMax] =126.151
- [EMax*90%]=113.536
 - [EMax*80%]=100.921
 - [EMax*70%]=88.306
 - [EMax*60%]=75.691
 - [EMax*50%]=63.075
 - [EMax*40%]=50.460
 - [EMax*30%]=37.845
 - [EMax*20%]=25.230
 - [EMax*10%]=12.615

Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 126.15
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

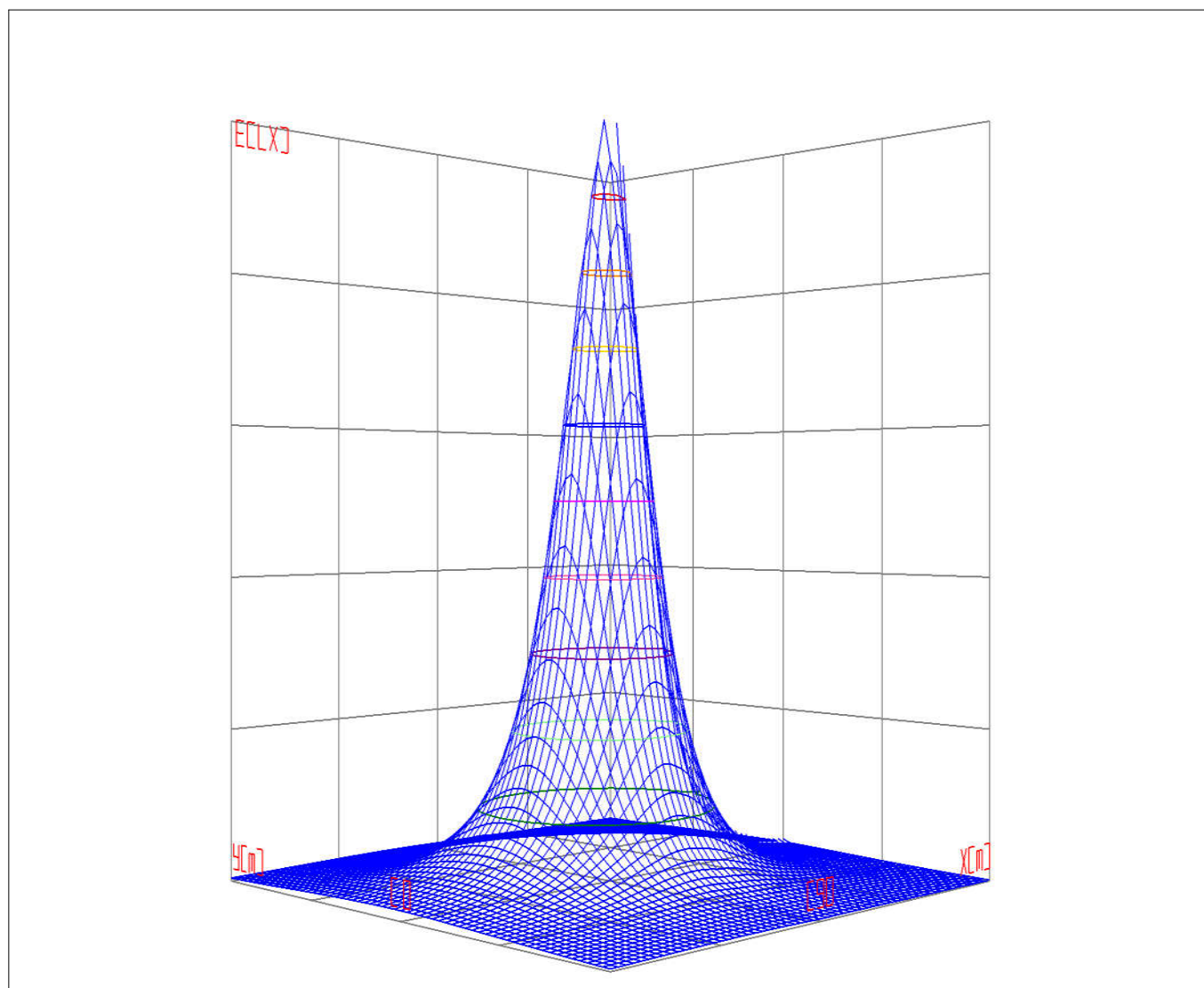
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3D Plane ISO Illuminance Diagram

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

3D Plane Illuminance Modal



Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

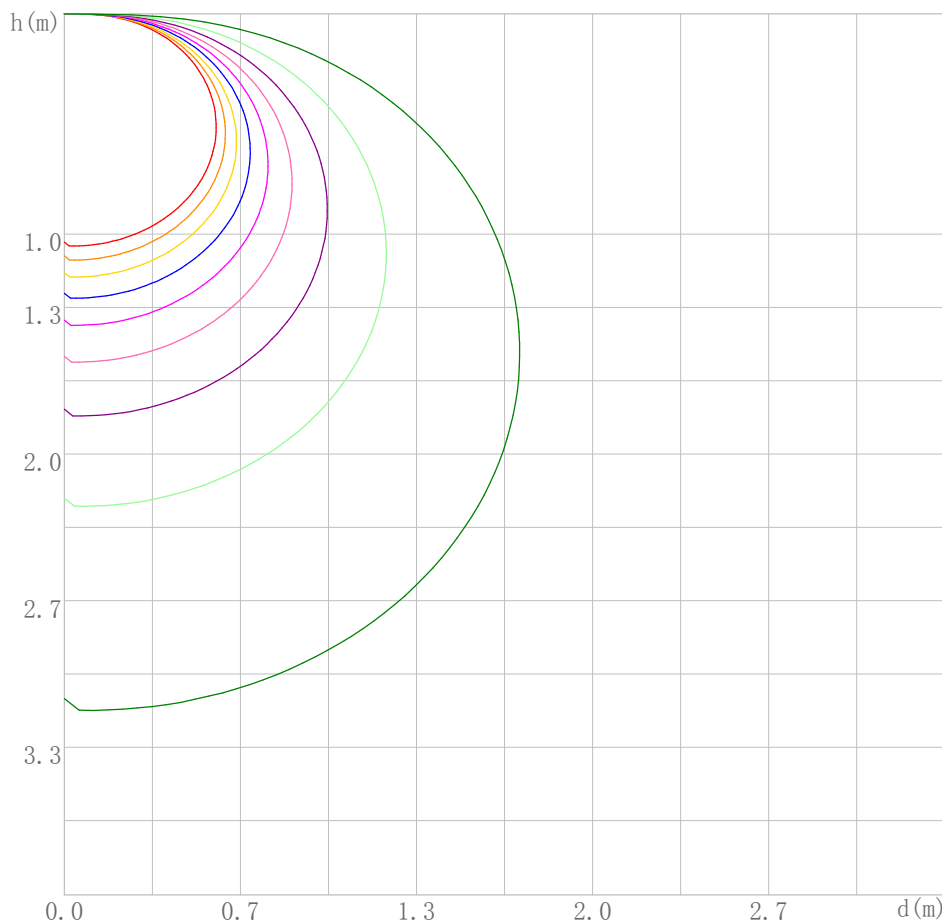
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Space ISO Illuminance Diagram

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1135.36lx,2.0deg
Plane Maximum Lighting Intensity and @Angle:1142.575cd,0deg

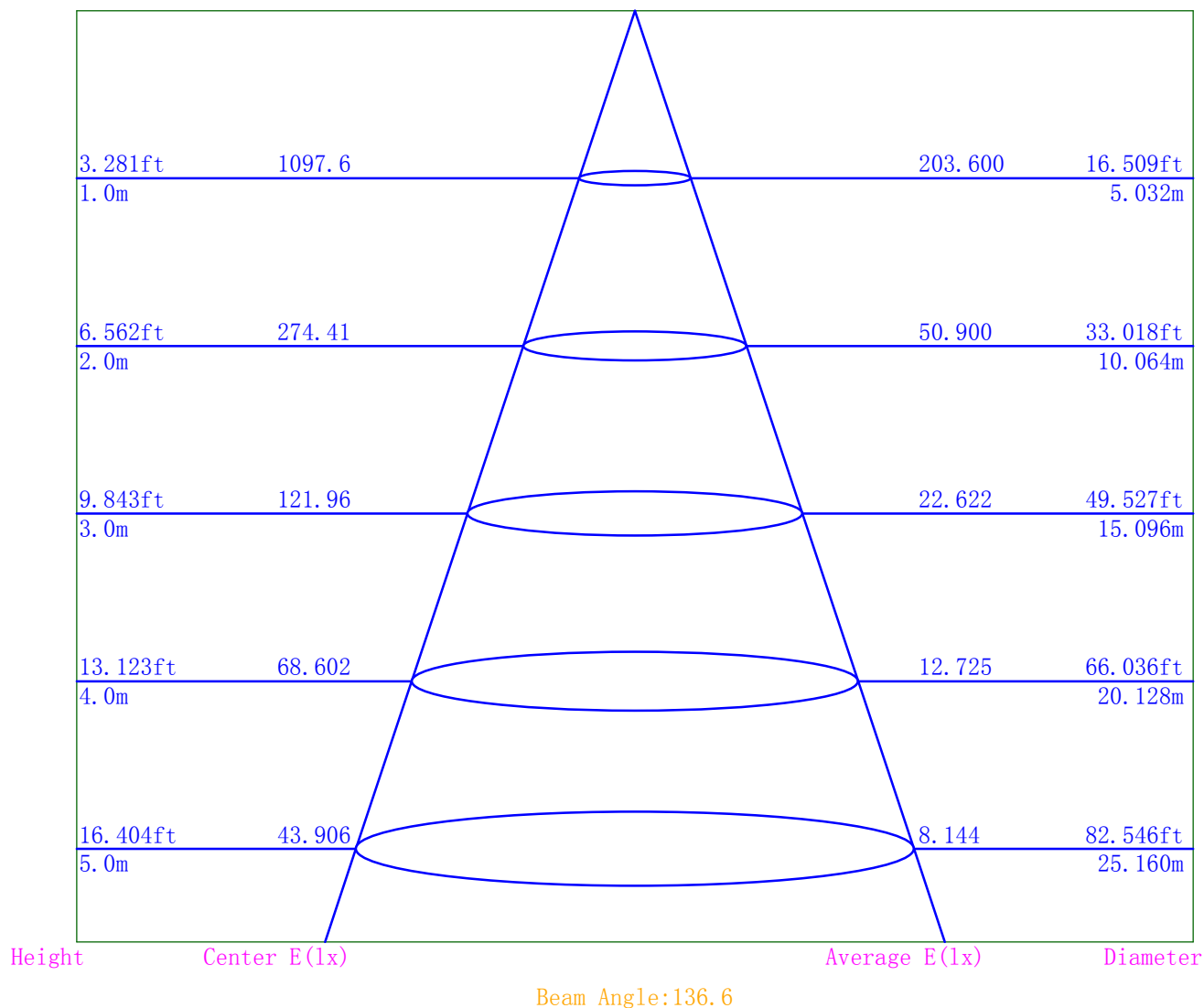
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Illuminance-Distance Diagram

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

Illuminance-Distance Curve



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Indoor Luminance Limiting Curves

Lum. Name: T8\150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

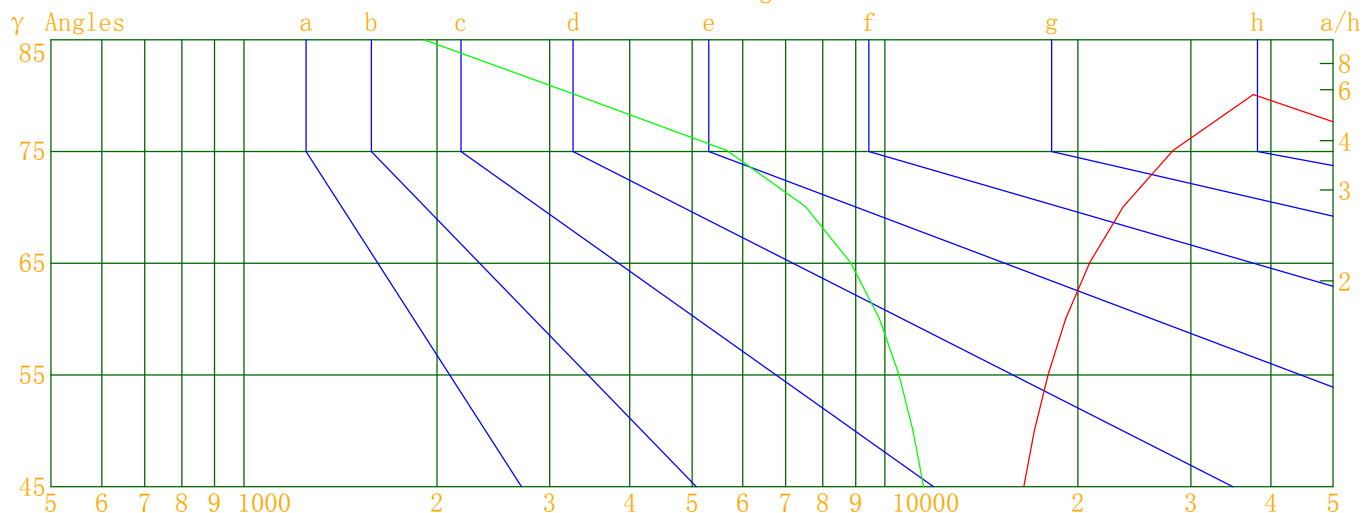
Glare Grade Table

GI	Quality	Using Illuminance							
		a	b	c	d	e	f	g	h
1.15	A	2000	1000	500	<=300				
1.5	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.2	D				2000	1000	500	<=300	
2.55	E	a				2000	1000	500	<=300
			b	c	d	e	f	g	h

Luminance Table

Gama (deg)	45	50	55	60	65	70	75	80	85
C0	16459	17097	17961	19149	20869	23536	28128	37551	66323
C90	11482	11056	10518	9808	8843	7514	5668	3283	1911

Luminance Limiting Curve



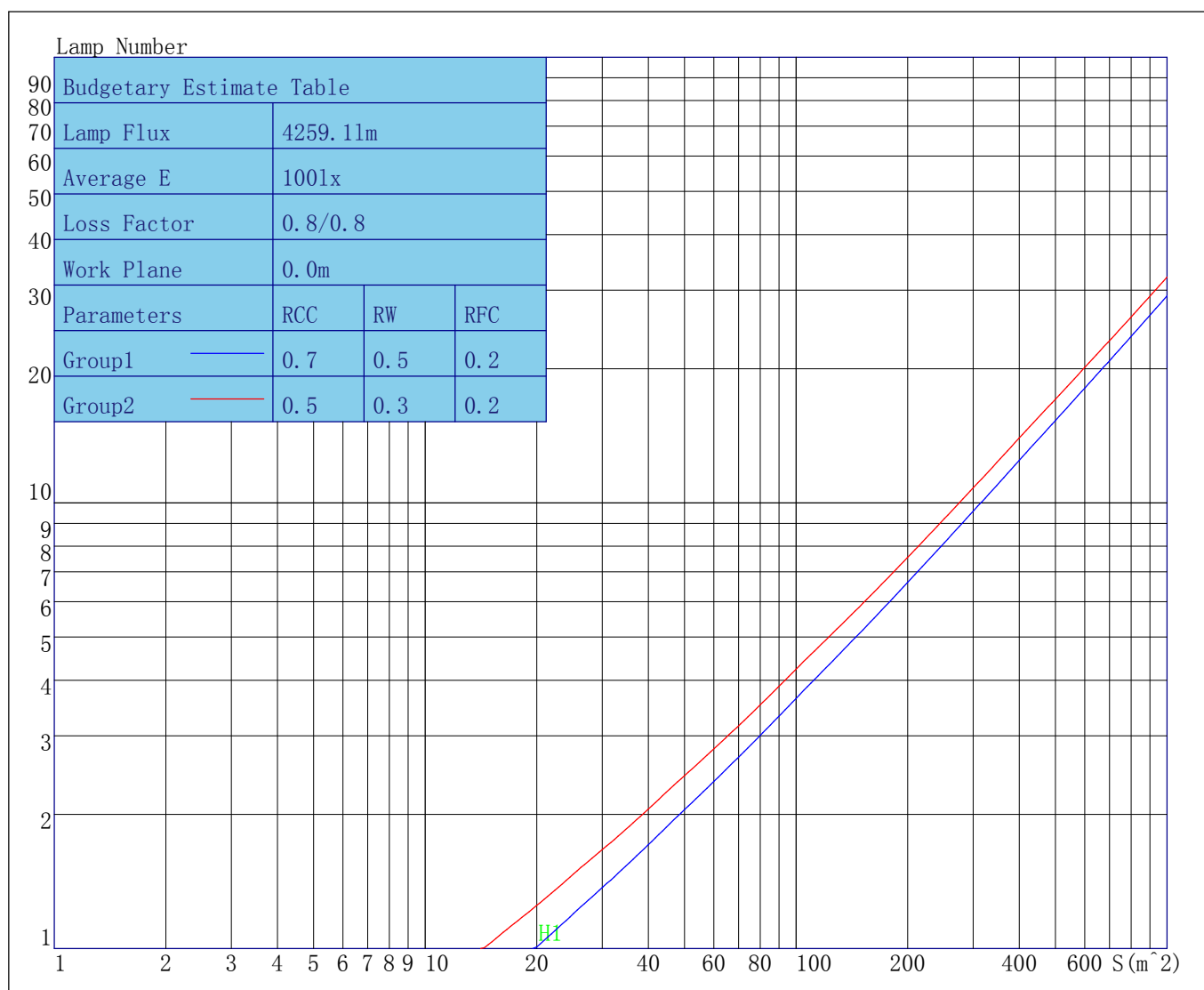
Luminous Size: Length(m)=1.500 Width(m)=0.027 Height(m)=0.027 Area(m²)=0.081000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

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Photometric Filename:180261-3 6000PCS xmy T8八150CM32WHL46W65K.IES

Indoor Budgetary Estimate Table

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8八150CM32WHL46W65K.IES

Indoor Coefficient of Utilization Table

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

Coefficients of Utilization - Zonal Cavity Method																		
Coef.	Effective Floor Cavity Reflectance RFC=0.20																	
RhoCC (%)	80				70				50			30			10			0
RhoW (%)	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	Coefficient of Utilization (%)																	
0	119	119	119	119	115	115	115	115	107	107	107	100	100	100	94	94	94	91
1	106	100	95	90	102	97	92	88	90	86	83	84	81	78	78	76	74	71
2	96	86	78	72	92	83	76	70	77	72	66	72	67	63	67	64	60	57
3	87	75	66	59	83	72	64	57	68	61	55	63	57	52	59	54	50	47
4	79	66	56	49	76	64	55	48	60	52	46	56	49	44	52	47	42	40
5	72	59	49	42	69	57	48	41	53	45	39	50	43	38	47	41	36	34
6	67	53	43	36	64	51	42	36	48	40	34	45	38	33	42	36	32	29
7	62	47	38	32	59	46	37	31	43	36	30	41	34	29	39	33	28	26
8	57	43	34	28	55	42	34	28	40	32	27	37	31	26	35	29	25	23
9	54	40	31	25	51	38	30	25	36	29	24	34	28	23	33	27	23	21
10	50	36	28	23	48	35	28	22	34	27	22	32	26	21	30	25	20	19

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8八150CM32WHL46W65K.IES

Unified Glare Rating Table

Lum. Name: T8八150CM32WHL46W65K	Lum. Catalog: 0101080557	Test ID: 180261-3 6000PCS xmy
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2018/04/02

Unified Glare Rating Table

Ceiling RCC	0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
Wall RW	0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
Floor RFC	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room Size	Vewed crosswise					Vewed endwise				
X=2H Y=2H	20.4	21.9	19.5	20.8	21.3	15.7	17.2	14.8	16.1	16.6
Y=3H	23.1	24.4	22.4	23.5	24.1	17.0	18.3	16.3	17.5	18.0
Y=4H	24.6	25.8	23.9	25.1	25.6	17.5	18.7	16.9	18.0	18.5
Y=6H	26.2	27.3	25.6	26.7	27.2	17.7	18.9	17.2	18.2	18.8
Y=8H	27.0	28.1	26.5	27.5	28.1	17.7	18.9	17.2	18.3	18.8
Y=12H	28.0	29.1	27.6	28.5	29.1	17.7	18.8	17.3	18.2	18.8
X=4H Y=2H	20.2	21.5	19.6	20.7	21.2	15.6	16.8	15.0	16.1	16.6
Y=3H	23.0	24.1	22.6	23.6	24.1	17.0	18.1	16.6	17.6	18.2
Y=4H	24.7	25.6	24.4	25.2	25.8	17.6	18.6	17.3	18.2	18.8
Y=6H	26.6	27.4	26.4	27.2	27.8	18.1	18.9	17.9	18.6	19.3
Y=8H	27.7	28.4	27.5	28.3	28.9	18.2	19.0	18.1	18.8	19.5
Y=12H	28.9	29.6	28.8	29.5	30.2	18.3	19.0	18.2	18.9	19.6
X=8H Y=4H	26.2	27.0	26.1	26.8	27.5	20.8	21.6	20.7	21.4	22.1
Y=6H	28.1	28.7	28.1	28.7	29.4	21.3	21.9	21.3	21.9	22.6
Y=8H	29.2	29.7	29.3	29.8	30.6	21.4	22.0	21.5	22.0	22.8
Y=12H	30.5	31.0	30.7	31.1	31.9	21.5	22.0	21.7	22.1	22.9
X=12H Y=4H	26.4	27.1	26.3	27.0	27.7	21.9	22.6	21.9	22.5	23.2
Y=6H	28.4	28.9	28.5	29.0	29.7	22.7	23.3	22.9	23.4	24.1
Y=8H	29.6	30.1	29.8	30.2	31.0	23.2	23.7	23.3	23.8	24.6
Variations with the objerver position at spacings										
S=1.0H	0.3/-0.4					0.6/-0.8				
S=1.5H	0.7/-1.1					0.7/-1.1				
S=2.0H	0.5/-0.9					1.0/-1.2				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	6.3					4.9				

le is calculated according to the document STD.CIE 117-1995

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8\150CM32WHL D46W65K.IES

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 0.0	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64	1097.64
γ 1.0	1135.50	1113.50	1095.12	1078.80	1064.85	1056.51	1130.61	1110.27	1094.88	1082.69	1072.09	1065.94
γ 2.0	1137.44	1115.29	1094.79	1076.55	1060.37	1051.32	1127.74	1107.66	1094.75	1084.15	1075.26	1070.62
γ 3.0	1138.49	1115.90	1093.81	1073.76	1055.83	1045.84	1124.59	1105.27	1093.13	1085.01	1078.28	1074.85
γ 4.0	1140.16	1116.57	1092.71	1070.54	1051.05	1039.89	1121.11	1101.78	1091.66	1085.23	1081.03	1078.26
γ 5.0	1140.81	1117.31	1091.42	1066.93	1045.53	1033.60	1117.82	1099.27	1090.25	1085.78	1083.15	1081.99
γ 6.0	1141.47	1117.46	1089.26	1062.90	1039.82	1026.96	1113.90	1095.68	1088.24	1085.37	1084.85	1084.98
γ 7.0	1141.85	1117.04	1086.87	1058.48	1034.16	1020.20	1109.43	1091.52	1085.59	1084.86	1086.15	1087.87
γ 8.0	1142.57	1116.28	1084.86	1054.02	1027.58	1013.07	1105.07	1087.31	1083.54	1083.87	1087.15	1090.72
γ 9.0	1141.42	1115.46	1081.98	1049.39	1021.04	1005.97	1100.14	1083.17	1080.20	1082.77	1088.24	1092.35
γ 10.0	1140.90	1114.35	1078.45	1043.89	1013.87	998.42	1094.90	1078.18	1076.46	1080.71	1088.59	1094.56
γ 11.0	1140.35	1112.80	1074.77	1038.35	1006.62	990.61	1089.73	1072.76	1072.98	1078.86	1088.20	1096.03
γ 12.0	1139.09	1111.28	1070.94	1032.18	999.10	982.75	1083.83	1067.71	1068.74	1076.45	1088.38	1097.42
γ 13.0	1137.56	1109.33	1066.64	1025.43	991.16	974.16	1078.25	1062.32	1063.95	1073.50	1087.20	1098.54
γ 14.0	1135.88	1106.55	1061.90	1018.72	982.87	965.36	1071.70	1056.07	1059.23	1070.49	1086.08	1099.00
γ 15.0	1133.34	1103.28	1057.08	1011.64	974.30	956.61	1065.56	1049.66	1054.10	1066.88	1084.93	1099.50
γ 16.0	1131.33	1100.51	1051.83	1004.54	965.27	947.06	1058.80	1043.19	1048.66	1062.71	1083.18	1099.64
γ 17.0	1128.36	1097.43	1046.36	996.55	956.40	937.46	1051.72	1036.48	1042.76	1058.20	1081.00	1099.15
γ 18.0	1125.34	1093.53	1040.40	988.68	946.86	928.05	1043.90	1028.99	1036.44	1053.54	1078.69	1098.46
γ 19.0	1121.83	1089.78	1034.51	980.08	936.91	918.41	1036.86	1021.66	1030.07	1048.64	1076.05	1097.66
γ 20.0	1118.67	1084.98	1027.45	971.52	927.30	907.81	1028.77	1013.90	1023.24	1043.21	1072.98	1096.25
γ 21.0	1114.80	1081.09	1020.65	961.96	916.92	897.65	1020.27	1006.10	1015.61	1037.21	1068.99	1094.59
γ 22.0	1110.92	1075.85	1013.25	952.54	906.49	887.05	1011.63	997.83	1008.03	1031.15	1065.35	1092.94
γ 23.0	1106.40	1070.79	1006.35	942.88	895.02	876.41	1003.40	988.74	1000.40	1024.90	1061.02	1090.68
γ 24.0	1101.88	1065.45	998.25	932.79	884.23	865.49	994.43	980.23	992.11	1018.05	1056.93	1088.34
γ 25.0	1096.61	1059.80	990.37	922.61	872.75	854.56	985.56	971.43	983.36	1011.13	1051.81	1085.49
γ 26.0	1091.83	1053.61	981.95	912.45	861.27	843.19	976.01	962.04	974.88	1003.36	1046.90	1082.16
γ 27.0	1085.50	1047.30	973.22	901.14	848.77	831.83	966.62	952.93	965.52	995.31	1041.24	1079.06
γ 28.0	1079.54	1040.87	963.96	889.94	837.19	820.46	956.77	942.82	955.95	987.30	1035.63	1075.05
γ 29.0	1073.78	1033.71	954.74	878.33	824.63	808.32	946.94	932.60	946.62	978.83	1029.29	1071.50
γ 30.0	1067.02	1026.81	945.53	866.70	812.06	796.63	936.73	922.28	936.37	970.04	1022.79	1067.08
γ 31.0	1060.65	1019.16	935.86	854.69	799.14	784.26	926.42	912.27	926.20	960.79	1016.00	1062.70
γ 32.0	1053.79	1011.67	925.45	842.28	786.04	771.90	915.72	901.09	915.68	951.19	1008.68	1057.67
γ 33.0	1046.72	1003.88	915.00	829.29	772.73	759.59	904.73	890.35	904.72	941.75	1001.46	1052.16
γ 34.0	1039.55	995.86	904.53	816.55	759.38	747.33	893.79	879.38	893.58	931.40	993.72	1046.61
γ 35.0	1031.96	987.73	893.62	803.39	745.64	734.64	882.68	867.68	882.21	921.10	985.79	1041.14
γ 36.0	1024.05	978.61	882.40	789.71	731.73	721.74	871.73	856.55	870.40	910.31	977.29	1035.04
γ 37.0	1015.95	969.60	871.40	776.13	717.56	708.93	860.26	844.86	858.51	899.31	968.50	1028.60
γ 38.0	1007.36	960.62	859.56	761.94	703.30	696.42	848.60	833.19	846.20	888.03	959.80	1022.33
γ 39.0	998.78	950.95	847.27	748.05	688.64	683.11	836.78	821.20	834.20	876.16	950.70	1015.54
γ 40.0	989.93	941.32	835.38	733.51	674.27	669.92	825.15	809.15	821.40	864.51	940.74	1008.59
γ 41.0	980.88	931.68	822.92	719.10	659.65	656.73	812.83	797.01	808.44	852.61	930.96	1000.91
γ 42.0	971.65	921.59	810.66	703.62	644.48	643.45	800.83	784.29	795.40	839.96	921.23	992.99
γ 43.0	961.96	910.92	797.86	688.63	629.84	630.24	788.90	771.73	782.11	827.33	910.89	985.39
γ 44.0	952.84	900.82	784.84	673.41	614.87	617.23	776.67	759.27	768.63	814.27	900.26	976.96
γ 45.0	942.68	890.11	771.31	657.65	599.03	603.89	764.27	746.48	754.83	800.93	889.08	968.64
γ 46.0	932.43	879.38	757.93	641.68	583.68	590.66	751.54	733.59	740.73	787.54	878.27	960.02

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8\150CM32WHL D46W65K.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 47.0	922.27	868.50	744.30	625.41	568.11	577.47	739.14	720.58	726.78	773.71	866.70	950.83
γ 48.0	911.50	857.26	730.62	609.01	552.50	563.80	726.78	707.96	712.68	759.73	855.09	942.01
γ 49.0	901.16	846.00	716.62	592.48	537.02	550.41	714.22	694.79	698.19	745.53	843.21	933.04
γ 50.0	890.19	834.24	702.53	575.64	520.92	537.46	701.26	681.28	683.22	731.00	831.12	923.29
γ 51.0	879.73	822.47	688.00	558.85	505.24	524.46	688.59	667.96	668.59	716.11	818.84	913.49
γ 52.0	868.69	810.99	673.37	541.77	489.48	511.20	675.70	654.61	653.89	701.15	806.06	903.34
γ 53.0	857.42	799.24	658.75	524.29	473.92	498.24	662.62	641.22	638.57	685.82	792.96	893.33
γ 54.0	845.94	786.82	644.03	506.58	458.08	485.17	650.04	628.13	623.47	670.68	780.02	882.97
γ 55.0	834.47	774.70	629.01	488.68	442.41	472.10	637.30	614.58	608.31	654.95	767.24	872.20
γ 56.0	822.93	762.52	613.93	470.86	426.80	459.27	624.35	601.37	592.70	638.58	753.72	861.43
γ 57.0	811.19	749.62	598.81	452.96	411.17	446.66	611.83	588.05	577.22	622.31	739.65	850.69
γ 58.0	799.29	737.21	583.40	434.51	395.56	434.13	598.88	574.55	561.34	606.12	725.76	839.34
γ 59.0	787.15	724.53	568.20	415.69	380.12	421.33	585.90	561.36	545.89	589.47	711.82	828.14
γ 60.0	775.52	711.48	552.64	397.24	364.78	409.18	573.35	547.90	530.23	572.78	697.50	816.67
γ 61.0	763.45	698.88	537.08	378.58	349.61	396.91	560.64	534.53	514.54	555.54	683.28	805.08
γ 62.0	751.31	685.97	521.66	359.66	334.35	384.55	547.66	521.24	498.62	538.41	668.71	792.99
γ 63.0	738.79	673.28	505.98	340.86	319.31	372.82	535.18	508.00	482.99	520.78	653.97	781.23
γ 64.0	726.65	660.48	490.69	322.11	304.77	361.19	522.87	495.04	467.32	503.14	638.46	769.28
γ 65.0	714.38	647.37	474.71	302.72	290.28	349.50	510.11	482.10	451.18	485.37	623.80	757.17
γ 66.0	701.73	634.53	459.54	283.59	276.09	337.80	497.91	468.93	435.49	467.50	608.58	744.80
γ 67.0	689.36	621.46	444.14	264.69	262.30	326.74	485.71	456.13	420.05	449.18	593.28	732.75
γ 68.0	677.12	608.36	428.53	245.80	248.49	315.80	473.42	443.61	404.09	430.97	577.83	719.87
γ 69.0	664.57	595.55	413.28	226.88	235.18	304.86	461.25	431.07	388.57	412.37	562.44	707.58
γ 70.0	652.04	582.62	398.28	208.17	222.43	294.34	449.27	418.61	373.32	393.73	546.54	694.90
γ 71.0	639.49	569.53	383.30	189.76	209.83	284.03	437.63	406.39	358.04	375.24	531.17	682.18
γ 72.0	626.95	556.72	368.33	171.27	197.68	273.74	425.72	394.25	342.86	356.42	515.36	669.42
γ 73.0	614.71	543.64	353.90	153.19	185.90	263.70	414.21	382.08	327.82	337.29	499.51	656.59
γ 74.0	602.31	530.98	339.57	135.86	174.73	253.86	402.88	370.20	313.17	318.17	483.65	643.82
γ 75.0	589.68	518.46	325.34	118.83	163.79	244.45	391.69	358.51	298.85	299.29	467.96	630.99
γ 76.0	577.29	505.91	311.48	102.42	153.38	235.07	380.39	347.06	284.40	280.27	451.81	617.98
γ 77.0	564.94	492.95	298.13	86.81	143.51	225.98	369.42	335.52	270.46	261.34	436.52	605.34
γ 78.0	552.43	480.73	284.92	72.05	134.13	217.19	358.67	324.40	257.04	242.42	421.08	592.33
γ 79.0	540.33	468.26	272.15	58.54	125.08	208.65	347.93	313.61	243.58	223.55	405.49	579.58
γ 80.0	528.18	455.88	259.73	46.18	116.72	200.22	337.36	302.69	230.66	204.70	389.85	566.61
γ 81.0	515.84	443.81	247.52	35.32	108.82	192.27	327.20	292.17	218.11	186.25	374.68	553.84
γ 82.0	503.94	432.19	235.91	26.33	101.28	184.55	316.85	281.92	205.84	168.15	359.69	541.18
γ 83.0	491.59	420.34	224.49	19.41	94.03	176.84	306.78	271.85	193.95	150.26	344.73	528.50
γ 84.0	479.86	408.19	213.47	15.06	87.61	169.31	297.23	261.98	182.79	132.84	330.10	515.73
γ 85.0	468.22	396.92	203.16	13.49	81.61	162.34	287.59	252.26	171.84	115.75	315.97	503.34
γ 86.0	456.18	385.70	193.17	13.53	75.88	155.39	278.04	242.83	161.26	99.39	301.83	490.87
γ 87.0	444.61	374.23	183.65	13.63	70.60	148.66	268.90	233.65	151.16	84.04	288.05	478.44
γ 88.0	433.27	363.11	174.64	13.77	65.78	142.40	259.80	224.52	141.52	69.52	274.71	466.04
γ 89.0	421.85	352.26	165.85	13.79	61.43	136.20	250.97	215.92	132.29	56.10	261.63	453.89
γ 90.0	410.50	341.63	157.57	13.90	57.24	129.88	242.31	207.48	123.53	44.06	248.91	441.99
γ 91.0	399.47	331.07	149.90	14.00	53.56	124.13	233.81	199.04	115.41	33.50	236.76	429.97
γ 92.0	388.69	320.79	142.63	14.11	50.24	118.73	225.67	190.98	107.76	24.82	225.06	418.01
γ 93.0	377.59	310.77	135.42	14.23	47.09	113.39	217.43	183.30	100.31	18.73	213.53	406.46

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8\150CM32WHL46W65K.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 94.0	367.01	300.95	128.82	14.35	44.30	108.16	209.46	175.70	93.35	15.14	202.56	394.92
γ 95.0	356.61	291.04	122.65	14.44	41.81	103.25	201.89	168.32	87.01	14.11	192.19	383.66
γ 96.0	346.14	281.50	116.85	14.60	39.57	98.62	194.52	161.18	80.97	14.01	182.34	372.48
γ 97.0	335.90	272.30	111.30	14.68	37.40	94.07	186.95	154.51	75.32	14.00	172.70	361.46
γ 98.0	325.95	263.06	106.18	14.77	35.60	89.75	179.96	147.81	70.18	13.99	163.75	350.45
γ 99.0	315.94	254.21	101.34	14.94	33.71	85.60	173.12	141.25	65.48	14.04	155.27	339.84
γ 100.0	306.12	245.64	96.77	15.04	32.18	81.69	166.35	135.21	61.13	14.07	146.89	329.29
γ 101.0	296.60	237.15	92.49	15.16	30.69	77.84	159.67	129.27	57.15	14.07	139.28	319.21
γ 102.0	287.25	228.65	88.50	15.28	29.44	74.23	153.60	123.45	53.56	14.16	132.27	309.04
γ 103.0	278.11	220.82	84.79	15.43	28.28	70.82	147.46	117.86	50.20	14.24	125.50	299.09
γ 104.0	269.01	213.00	81.22	15.58	27.22	67.55	141.28	112.65	46.99	14.32	118.90	289.32
γ 105.0	260.21	205.39	77.76	15.61	26.28	64.34	135.67	107.60	44.29	14.39	113.02	279.73
γ 106.0	251.63	197.97	73.85	15.78	25.41	61.51	130.07	102.57	41.76	14.53	107.41	270.50
γ 107.0	242.94	190.85	70.71	15.84	24.55	58.70	124.50	98.02	39.33	14.48	102.05	261.50
γ 108.0	234.65	180.92	67.44	15.99	23.85	54.73	119.35	93.58	37.22	14.56	97.16	252.65
γ 109.0	226.64	170.51	64.25	16.06	23.17	51.89	114.41	89.23	35.31	14.62	92.61	243.94
γ 110.0	218.59	163.04	61.77	16.22	22.60	49.49	109.43	85.03	33.56	14.68	88.26	235.48
γ 111.0	205.47	156.32	59.56	16.38	22.12	47.35	104.71	81.18	32.02	14.80	84.27	227.39
γ 112.0	195.37	150.95	57.61	16.47	21.71	45.57	100.25	77.41	30.63	14.91	80.40	219.47
γ 113.0	187.47	146.44	55.80	16.62	21.32	43.75	95.82	73.76	29.40	15.02	76.90	211.61
γ 114.0	180.42	140.55	54.03	16.72	20.98	41.79	91.54	70.42	28.15	15.12	73.66	203.93
γ 115.0	174.57	134.31	52.32	16.80	20.73	40.06	87.49	67.13	27.04	15.15	70.54	196.74
γ 116.0	170.14	128.82	50.81	16.95	20.40	38.48	83.65	64.05	26.01	15.23	67.06	189.59
γ 117.0	164.23	124.00	49.37	17.08	20.17	37.12	79.86	61.03	25.10	15.37	64.01	182.15
γ 118.0	157.85	120.20	47.97	17.14	20.03	36.05	76.18	57.17	24.20	15.43	61.25	170.88
γ 119.0	151.82	116.15	46.63	17.23	19.83	34.66	72.77	53.87	23.48	15.62	58.29	161.55
γ 120.0	146.06	111.55	45.39	17.38	19.75	33.54	69.52	51.18	22.76	15.73	55.74	154.46
γ 121.0	141.19	107.36	44.13	17.49	19.59	32.42	64.96	49.20	22.26	15.70	53.80	149.54
γ 122.0	135.93	103.18	42.67	17.58	19.46	31.30	61.25	47.35	21.74	15.84	52.00	145.20
γ 123.0	130.58	99.15	41.33	17.62	19.47	30.32	58.44	45.42	21.33	15.97	50.46	140.11
γ 124.0	125.41	95.34	40.02	17.79	19.30	29.33	55.84	43.31	20.88	16.03	48.87	133.62
γ 125.0	120.21	91.71	38.81	17.90	19.25	28.48	53.64	41.50	20.52	16.13	47.36	128.22
γ 126.0	115.34	88.09	37.61	17.98	19.25	27.69	51.79	39.77	20.13	16.24	45.94	123.16
γ 127.0	110.70	84.67	36.43	18.07	19.22	26.98	49.60	38.24	19.87	16.28	44.68	118.72
γ 128.0	106.16	81.44	35.48	18.15	19.26	26.32	47.39	37.06	19.58	16.38	43.27	115.23
γ 129.0	101.59	78.33	34.47	18.33	19.24	25.62	45.43	35.65	19.39	16.45	41.44	110.97
γ 130.0	97.42	75.17	33.59	18.33	19.29	25.02	43.53	34.38	19.26	16.57	40.63	106.86
γ 131.0	93.39	72.16	32.45	18.45	19.26	24.43	41.90	33.09	19.08	16.70	39.60	102.56
γ 132.0	89.36	69.46	31.59	18.54	19.35	23.92	40.13	32.01	18.86	16.77	38.32	98.60
γ 133.0	85.73	66.76	30.75	18.69	19.37	23.45	38.46	30.95	18.84	16.93	37.08	94.90
γ 134.0	82.02	64.16	29.61	18.75	19.43	23.00	36.96	29.98	18.70	17.00	36.01	91.24
γ 135.0	78.48	61.62	28.75	18.89	19.53	22.64	35.46	29.02	18.63	17.06	34.98	87.57
γ 136.0	75.07	58.84	28.09	18.92	19.54	22.29	34.10	28.12	18.56	17.19	33.93	84.17
γ 137.0	71.98	55.86	27.58	19.00	19.52	22.03	32.85	27.33	18.62	17.31	32.74	80.99
γ 138.0	68.90	53.02	26.97	19.14	19.60	21.60	31.69	26.50	18.68	17.36	32.02	77.88
γ 139.0	65.88	50.68	26.48	19.20	19.64	21.42	30.61	25.82	18.67	17.50	31.27	74.82
γ 140.0	63.11	48.31	26.02	19.32	19.67	21.09	29.48	25.15	18.73	17.62	30.37	72.05

IES Indoor Report

Photometric Filename:180261-3 6000PCS xmy T8\150CM32WHL D46W65K.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
γ 141.0	60.40	46.04	25.73	19.32	19.78	20.92	28.57	24.59	18.74	17.71	29.48	69.30
γ 142.0	57.89	44.02	25.33	19.42	19.80	20.71	27.61	24.07	18.75	17.80	28.79	66.63
γ 143.0	55.40	42.14	25.00	19.49	19.81	20.65	26.76	23.58	18.91	17.89	27.69	64.04
γ 144.0	53.13	40.27	24.75	19.57	19.91	20.44	26.06	23.03	18.98	17.99	27.14	60.74
γ 145.0	50.95	38.17	24.54	19.59	19.99	20.39	25.33	22.64	19.01	18.02	26.59	57.93
γ 146.0	48.78	36.40	24.33	19.69	19.96	20.38	24.74	22.30	19.16	18.13	25.85	55.20
γ 147.0	46.62	34.95	24.21	19.76	20.05	20.29	24.14	21.87	19.15	18.29	25.35	52.67
γ 148.0	44.31	33.45	24.08	19.84	20.11	20.23	23.61	21.65	19.27	18.37	24.92	50.27
γ 149.0	42.39	32.42	23.93	19.87	20.20	20.27	23.13	21.31	19.30	18.51	24.62	47.93
γ 150.0	40.43	31.57	23.82	19.95	20.18	20.31	22.69	21.07	19.41	18.57	24.17	45.76
γ 151.0	38.89	30.36	23.72	20.02	20.23	20.24	22.32	20.85	19.48	18.64	23.89	43.76
γ 152.0	37.45	29.70	23.59	20.05	20.25	20.22	21.97	20.68	19.57	18.79	23.67	41.63
γ 153.0	35.71	29.09	23.45	20.16	20.22	20.30	21.64	20.57	19.60	18.83	23.31	39.96
γ 154.0	34.27	28.49	23.25	20.21	20.31	20.33	21.42	20.50	19.66	18.93	23.08	38.25
γ 155.0	33.18	27.82	23.14	20.31	20.30	20.35	21.20	20.44	19.72	19.01	22.92	36.40
γ 156.0	32.14	27.32	23.00	20.39	20.37	20.39	20.99	20.40	19.81	19.11	22.78	35.02
γ 157.0	31.30	26.59	22.88	20.44	20.37	20.43	20.80	20.35	19.97	19.22	22.73	33.77
γ 158.0	30.28	26.12	22.71	20.50	20.40	20.44	20.78	20.33	19.97	19.31	22.63	32.63
γ 159.0	29.41	25.68	22.66	20.53	20.44	20.45	20.74	20.30	20.07	19.32	22.53	31.77
γ 160.0	28.42	25.20	22.60	20.69	20.44	20.57	20.69	20.31	20.18	19.46	22.42	30.67
γ 161.0	27.69	24.72	22.47	20.71	20.49	20.54	20.65	20.36	20.24	19.60	22.39	29.75
γ 162.0	27.03	24.34	22.36	20.82	20.51	20.51	20.62	20.42	20.24	19.72	22.26	29.08
γ 163.0	26.46	23.87	22.25	20.89	20.49	20.56	20.69	20.43	20.26	19.75	22.16	28.37
γ 164.0	25.89	23.52	22.13	20.93	20.51	20.48	20.72	20.46	20.25	19.83	22.10	27.81
γ 165.0	25.34	23.16	21.95	20.89	20.51	20.47	20.79	20.54	20.24	19.93	22.08	27.17
γ 166.0	24.82	22.85	21.95	20.94	20.56	20.46	20.83	20.60	20.31	20.01	22.03	26.63
γ 167.0	24.39	22.71	21.93	21.05	20.51	20.53	20.88	20.64	20.33	20.00	22.00	26.09
γ 168.0	23.97	22.47	21.81	21.10	20.53	20.48	20.95	20.62	20.39	20.06	21.85	25.59
γ 169.0	23.60	22.28	21.83	21.08	20.66	20.42	21.03	20.72	20.44	20.23	21.84	24.98
γ 170.0	22.97	22.11	21.73	21.10	20.65	20.46	21.01	20.76	20.47	20.32	21.78	24.51
γ 171.0	22.27	22.01	21.70	21.19	20.67	20.45	21.05	20.81	20.52	20.41	21.62	24.12
γ 172.0	22.19	21.90	21.63	21.16	20.68	20.36	21.12	20.81	20.50	20.42	21.59	23.68
γ 173.0	22.00	21.78	21.62	21.21	20.63	20.45	21.21	20.80	20.52	20.55	21.55	23.18
γ 174.0	21.95	21.66	21.51	21.23	20.68	20.43	21.22	20.81	20.48	20.66	21.38	22.92
γ 175.0	21.66	21.25	21.30	21.24	20.90	20.45	21.25	20.83	20.62	20.63	21.38	22.63
γ 176.0	21.68	21.13	21.05	21.17	21.17	20.92	21.33	20.89	20.65	20.77	21.35	22.43
γ 177.0	21.68	21.17	20.98	21.16	21.26	21.07	21.38	20.90	20.73	20.89	21.29	22.24
γ 178.0	21.57	21.12	20.96	21.16	21.28	21.08	21.42	20.94	20.76	20.88	21.26	22.03
γ 179.0	21.54	21.11	20.91	21.05	21.25	21.12	21.50	20.91	20.86	20.94	21.25	21.75
γ 180.0	21.23	21.23	21.23	21.23	21.23	21.23	21.23	21.23	21.23	21.23	21.23	21.23