

IES Indoor Report

Photometric Filename: TR08-06-PR-02 3000K RA80 60D.IES

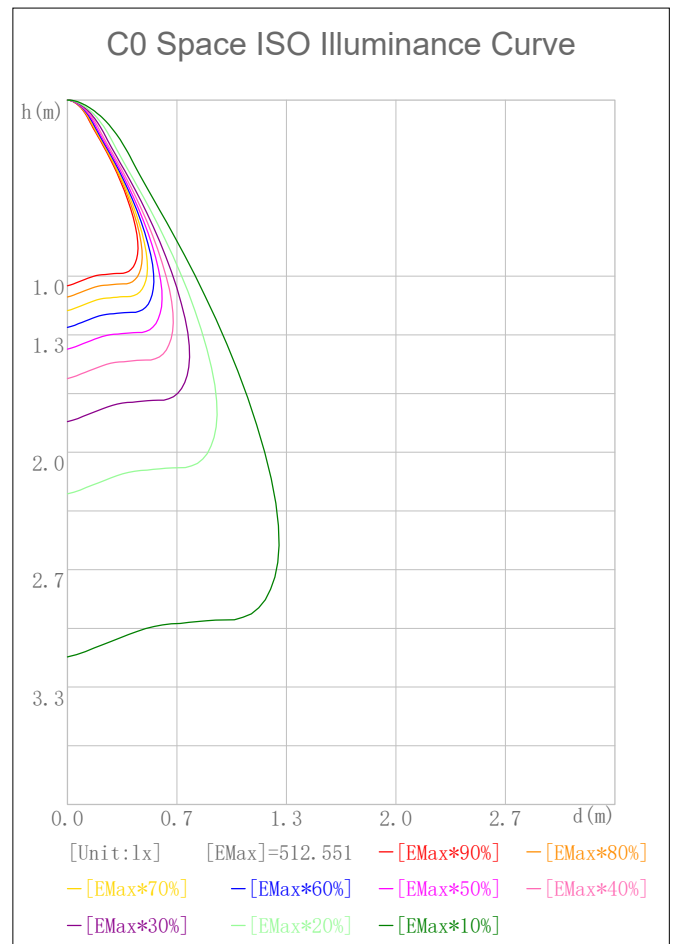
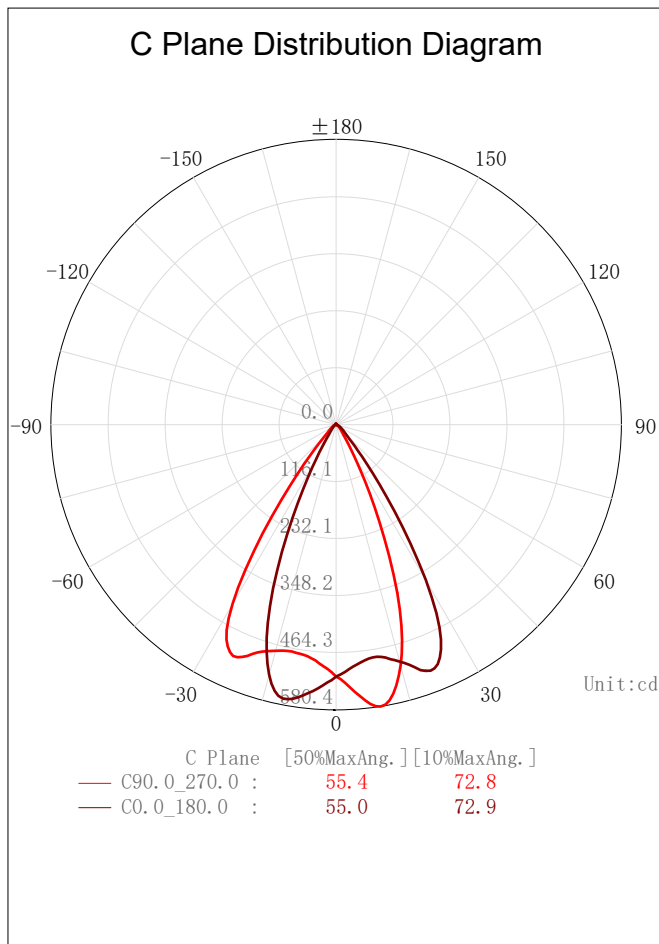
Indoor Luminaire Photometric Data

Description Information

Luminary Name: TR08-06-PR-02 3000K RA80 60D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2021/11/04
Manufacture: Shenzhen Norming Lighting Co., Ltd		Shld. Ang(°):	Test Machine: GON-2000
Test Lab: Quality Department		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.038m*0.038m*0.000m		Lum. Area (m2): 0.001	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 458.170	Luminary Flux(lm): 458.170	Field Angle(10%Imax): 72.8(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 456.732lm 99.69%	
Rated Voltage(V):	Luminary EER(lm/W): 73.637	Up Lumens&Percent: 1.438lm 0.31%	
Tested Power(W): 6.222	Max. Candela(cd): 580.359	S/MH: C0_a180=0.966 C90_270=0.980	
Lamps' Inside: 1	Max Cand@Ang. (°): C=90.0 γ=9.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 241.1, 0.030, 0.844	Beam Angle(50%Imax): 55.4(°)	ErP φ use(90°): 394.217lm	
Lamp Size (W*L*H): 0.038m*0.038m*0.000m	Left=-33.4°, Right=22.0°	IRF (%): 232.265	



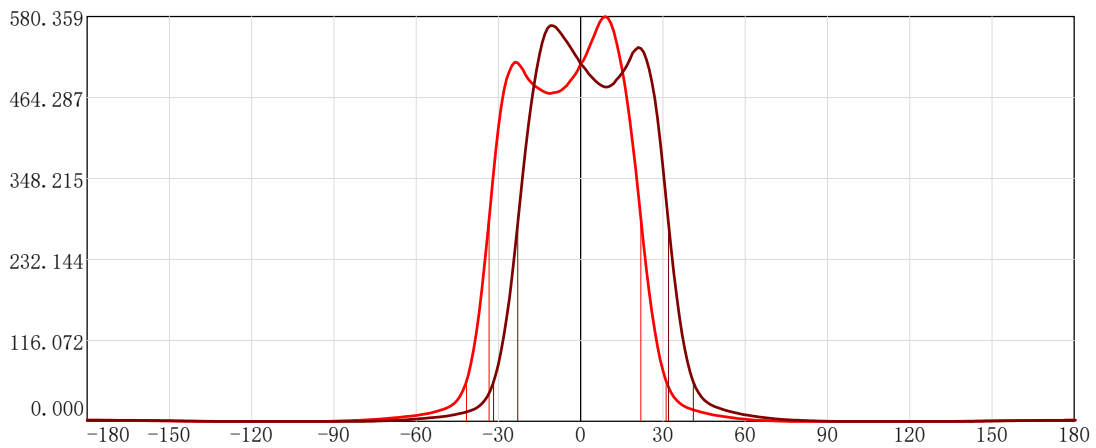
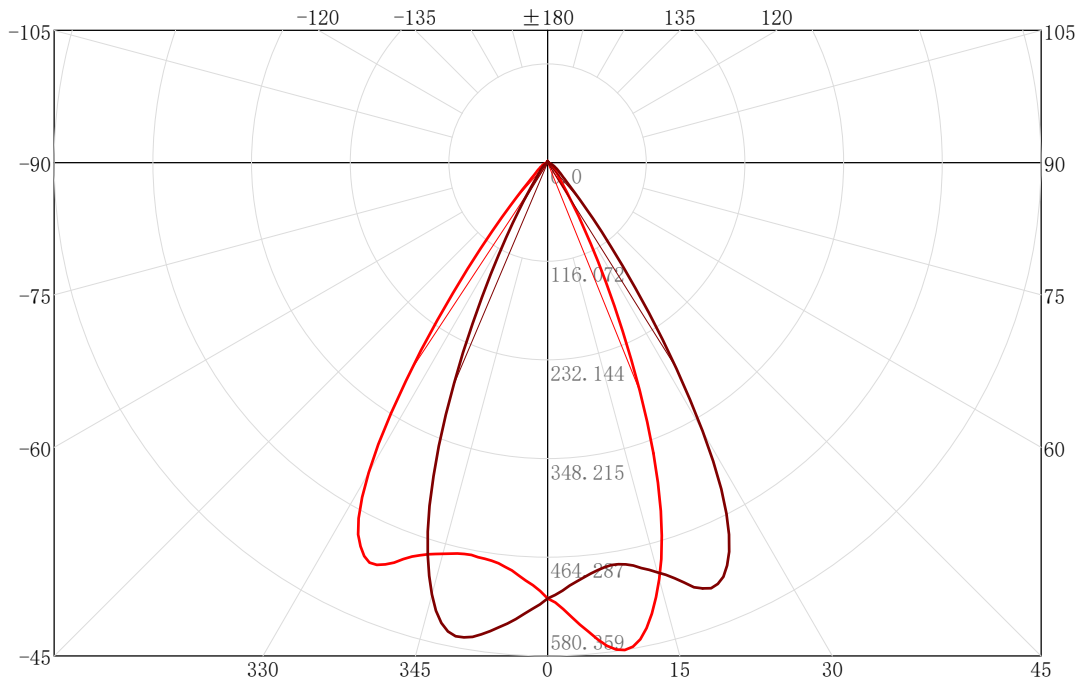
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2D Plane Light Intensity Distribution Curve

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2021/11/04

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]
— C90.0_270.0 :	55.4	72.8
— C0.0_180.0 :	55.0	72.9

Unit:cd

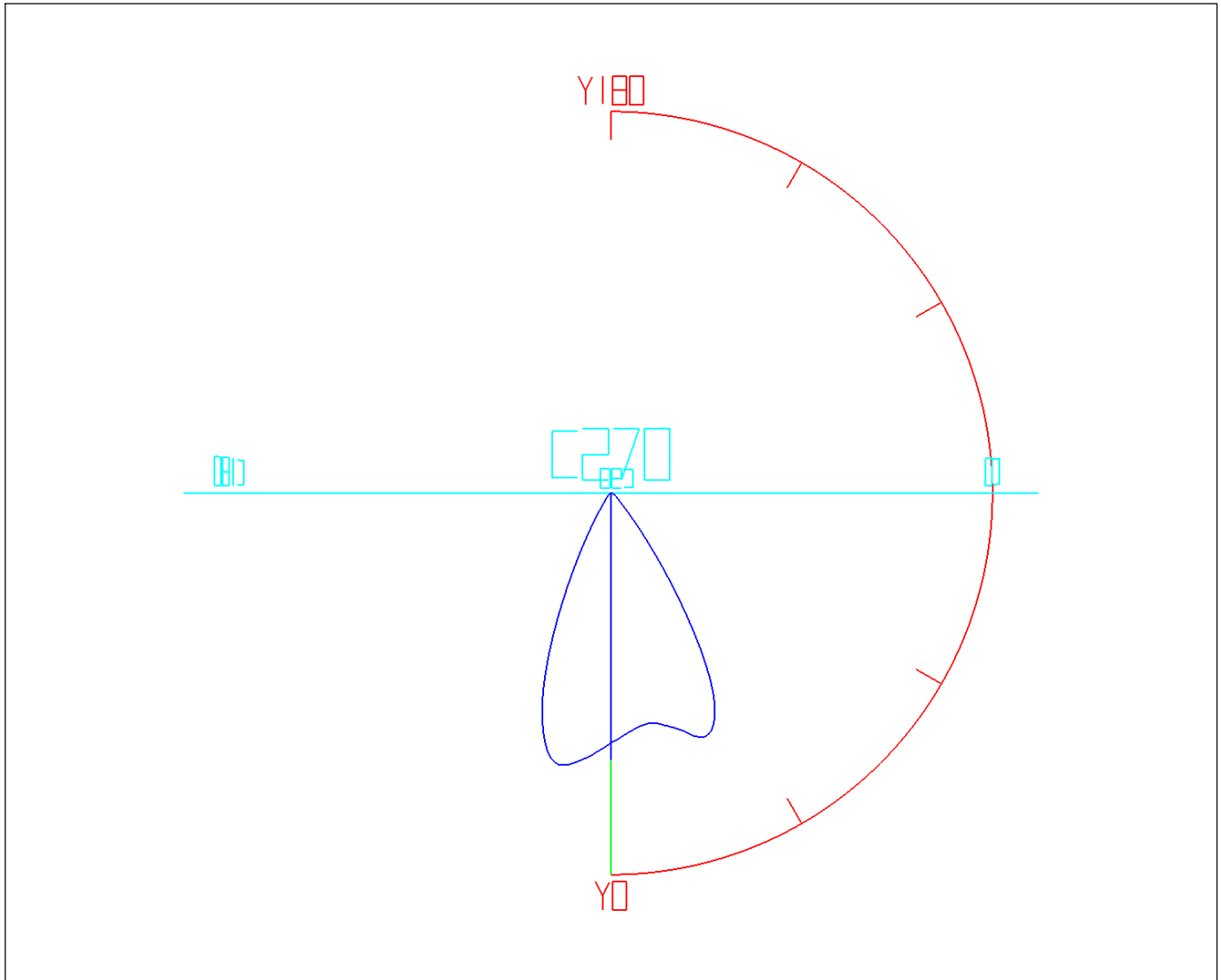
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3D Light Intensity Distribution Modal

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2021/11/04

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	0.49	0.49	0.11	0.11	47.0-48.0	1.31	439.68	0.29	95.96
1.0-2.0	1.47	1.96	0.32	0.43	48.0-49.0	1.21	440.89	0.27	96.23
2.0-3.0	2.46	4.42	0.54	0.96	49.0-50.0	1.14	442.03	0.25	96.48
3.0-4.0	3.45	7.87	0.75	1.72	50.0-51.0	1.07	443.10	0.23	96.71
4.0-5.0	4.44	12.31	0.97	2.69	51.0-52.0	1.01	444.12	0.22	96.93
5.0-6.0	5.45	17.76	1.19	3.88	52.0-53.0	0.95	445.07	0.21	97.14
6.0-7.0	6.46	24.22	1.41	5.29	53.0-54.0	0.90	445.97	0.20	97.34
7.0-8.0	7.47	31.69	1.63	6.92	54.0-55.0	0.84	446.81	0.18	97.52
8.0-9.0	8.48	40.18	1.85	8.77	55.0-56.0	0.79	447.60	0.17	97.69
9.0-10.0	9.48	49.66	2.07	10.84	56.0-57.0	0.74	448.35	0.16	97.86
10.0-11.0	10.46	60.12	2.28	13.12	57.0-58.0	0.70	449.04	0.15	98.01
11.0-12.0	11.39	71.51	2.49	15.61	58.0-59.0	0.65	449.69	0.14	98.15
12.0-13.0	12.28	83.79	2.68	18.29	59.0-60.0	0.61	450.30	0.13	98.28
13.0-14.0	13.11	96.90	2.86	21.15	60.0-61.0	0.57	450.87	0.12	98.41
14.0-15.0	13.88	110.79	3.03	24.18	61.0-62.0	0.53	451.40	0.12	98.52
15.0-16.0	14.59	125.37	3.18	27.36	62.0-63.0	0.50	451.89	0.11	98.63
16.0-17.0	15.21	140.59	3.32	30.68	63.0-64.0	0.46	452.36	0.10	98.73
17.0-18.0	15.77	156.36	3.44	34.13	64.0-65.0	0.43	452.79	0.09	98.83
18.0-19.0	16.24	172.60	3.55	37.67	65.0-66.0	0.40	453.19	0.09	98.91
19.0-20.0	16.60	189.21	3.62	41.30	66.0-67.0	0.37	453.56	0.08	98.99
20.0-21.0	16.84	206.05	3.68	44.97	67.0-68.0	0.34	453.90	0.07	99.07
21.0-22.0	16.96	223.01	3.70	48.67	68.0-69.0	0.31	454.21	0.07	99.14
22.0-23.0	16.94	239.95	3.70	52.37	69.0-70.0	0.29	454.50	0.06	99.20
23.0-24.0	16.79	256.74	3.67	56.04	70.0-71.0	0.26	454.76	0.06	99.26
24.0-25.0	16.52	273.26	3.61	59.64	71.0-72.0	0.24	454.99	0.05	99.31
25.0-26.0	16.12	289.38	3.52	63.16	72.0-73.0	0.21	455.21	0.05	99.35
26.0-27.0	15.62	305.00	3.41	66.57	73.0-74.0	0.19	455.40	0.04	99.39
27.0-28.0	15.01	320.01	3.28	69.84	74.0-75.0	0.17	455.57	0.04	99.43
28.0-29.0	14.26	334.27	3.11	72.96	75.0-76.0	0.15	455.72	0.03	99.47
29.0-30.0	13.37	347.64	2.92	75.88	76.0-77.0	0.14	455.86	0.03	99.50
30.0-31.0	12.37	360.01	2.70	78.58	77.0-78.0	0.12	455.98	0.03	99.52
31.0-32.0	11.28	371.29	2.46	81.04	78.0-79.0	0.11	456.09	0.02	99.55
32.0-33.0	10.14	381.43	2.21	83.25	79.0-80.0	0.10	456.19	0.02	99.57
33.0-34.0	9.00	390.43	1.96	85.21	80.0-81.0	0.09	456.28	0.02	99.59
34.0-35.0	7.89	398.32	1.72	86.94	81.0-82.0	0.08	456.36	0.02	99.60
35.0-36.0	6.83	405.14	1.49	88.43	82.0-83.0	0.07	456.43	0.02	99.62
36.0-37.0	5.86	411.00	1.28	89.70	83.0-84.0	0.06	456.49	0.01	99.63
37.0-38.0	4.99	415.99	1.09	90.79	84.0-85.0	0.06	456.55	0.01	99.65
38.0-39.0	4.24	420.24	0.93	91.72	85.0-86.0	0.05	456.60	0.01	99.66
39.0-40.0	3.60	423.83	0.79	92.51	86.0-87.0	0.04	456.64	0.01	99.67
40.0-41.0	3.04	426.88	0.66	93.17	87.0-88.0	0.04	456.68	0.01	99.67
41.0-42.0	2.59	429.47	0.57	93.74	88.0-89.0	0.03	456.71	0.01	99.68
42.0-43.0	2.24	431.71	0.49	94.22	89.0-90.0	0.02	456.73	0.01	99.69
43.0-44.0	1.96	433.66	0.43	94.65	90.0-91.0	0.02	456.75	0.00	99.69
44.0-45.0	1.73	435.40	0.38	95.03	91.0-92.0	0.01	456.76	0.00	99.69
45.0-46.0	1.56	436.95	0.34	95.37	92.0-93.0	0.01	456.77	0.00	99.69
46.0-47.0	1.42	438.37	0.31	95.68	93.0-94.0	0.00	456.77	0.00	99.69

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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	0.00	456.77	0.00	99.69	141.0-142.0	0.02	456.87	0.00	99.72
95.0-96.0	0.00	456.77	0.00	99.69	142.0-143.0	0.02	456.89	0.01	99.72
96.0-97.0	0.00	456.77	0.00	99.69	143.0-144.0	0.03	456.92	0.01	99.73
97.0-98.0	0.00	456.77	0.00	99.69	144.0-145.0	0.03	456.95	0.01	99.73
98.0-99.0	0.00	456.77	0.00	99.69	145.0-146.0	0.03	456.98	0.01	99.74
99.0-100.0	0.00	456.77	0.00	99.69	146.0-147.0	0.04	457.02	0.01	99.75
100.0-101.0	0.00	456.77	0.00	99.69	147.0-148.0	0.04	457.06	0.01	99.76
101.0-102.0	0.00	456.77	0.00	99.69	148.0-149.0	0.04	457.10	0.01	99.77
102.0-103.0	0.00	456.77	0.00	99.69	149.0-150.0	0.04	457.14	0.01	99.78
103.0-104.0	0.00	456.77	0.00	99.69	150.0-151.0	0.04	457.19	0.01	99.79
104.0-105.0	0.00	456.77	0.00	99.69	151.0-152.0	0.05	457.23	0.01	99.80
105.0-106.0	0.00	456.77	0.00	99.69	152.0-153.0	0.05	457.28	0.01	99.81
106.0-107.0	0.00	456.77	0.00	99.69	153.0-154.0	0.05	457.32	0.01	99.82
107.0-108.0	0.00	456.77	0.00	99.69	154.0-155.0	0.05	457.37	0.01	99.83
108.0-109.0	0.00	456.77	0.00	99.69	155.0-156.0	0.05	457.42	0.01	99.84
109.0-110.0	0.00	456.77	0.00	99.69	156.0-157.0	0.05	457.47	0.01	99.85
110.0-111.0	0.00	456.77	0.00	99.69	157.0-158.0	0.05	457.52	0.01	99.86
111.0-112.0	0.00	456.77	0.00	99.69	158.0-159.0	0.05	457.56	0.01	99.87
112.0-113.0	0.00	456.77	0.00	99.69	159.0-160.0	0.05	457.61	0.01	99.88
113.0-114.0	0.00	456.77	0.00	99.69	160.0-161.0	0.05	457.66	0.01	99.89
114.0-115.0	0.00	456.77	0.00	99.69	161.0-162.0	0.05	457.70	0.01	99.90
115.0-116.0	0.00	456.77	0.00	99.69	162.0-163.0	0.04	457.75	0.01	99.91
116.0-117.0	0.00	456.77	0.00	99.69	163.0-164.0	0.04	457.79	0.01	99.92
117.0-118.0	0.00	456.77	0.00	99.69	164.0-165.0	0.04	457.83	0.01	99.93
118.0-119.0	0.00	456.77	0.00	99.69	165.0-166.0	0.04	457.87	0.01	99.93
119.0-120.0	0.00	456.77	0.00	99.69	166.0-167.0	0.04	457.91	0.01	99.94
120.0-121.0	0.00	456.77	0.00	99.69	167.0-168.0	0.04	457.94	0.01	99.95
121.0-122.0	0.00	456.77	0.00	99.69	168.0-169.0	0.03	457.98	0.01	99.96
122.0-123.0	0.00	456.77	0.00	99.69	169.0-170.0	0.03	458.01	0.01	99.96
123.0-124.0	0.00	456.77	0.00	99.69	170.0-171.0	0.03	458.04	0.01	99.97
124.0-125.0	0.00	456.77	0.00	99.69	171.0-172.0	0.03	458.07	0.01	99.98
125.0-126.0	0.00	456.77	0.00	99.69	172.0-173.0	0.02	458.09	0.01	99.98
126.0-127.0	0.00	456.77	0.00	99.69	173.0-174.0	0.02	458.11	0.00	99.99
127.0-128.0	0.00	456.77	0.00	99.69	174.0-175.0	0.02	458.13	0.00	99.99
128.0-129.0	0.00	456.77	0.00	99.69	175.0-176.0	0.01	458.14	0.00	99.99
129.0-130.0	0.00	456.77	0.00	99.69	176.0-177.0	0.01	458.15	0.00	100.00
130.0-131.0	0.00	456.77	0.00	99.69	177.0-178.0	0.01	458.16	0.00	100.00
131.0-132.0	0.00	456.77	0.00	99.69	178.0-179.0	0.01	458.17	0.00	100.00
132.0-133.0	0.00	456.77	0.00	99.69	179.0-180.0	0.00	458.17	0.00	100.00
133.0-134.0	0.00	456.77	0.00	99.70					
134.0-135.0	0.00	456.78	0.00	99.70					
135.0-136.0	0.01	456.78	0.00	99.70					
136.0-137.0	0.01	456.79	0.00	99.70					
137.0-138.0	0.01	456.80	0.00	99.70					
138.0-139.0	0.01	456.82	0.00	99.70					
139.0-140.0	0.01	456.83	0.00	99.71					
140.0-141.0	0.02	456.85	0.00	99.71					

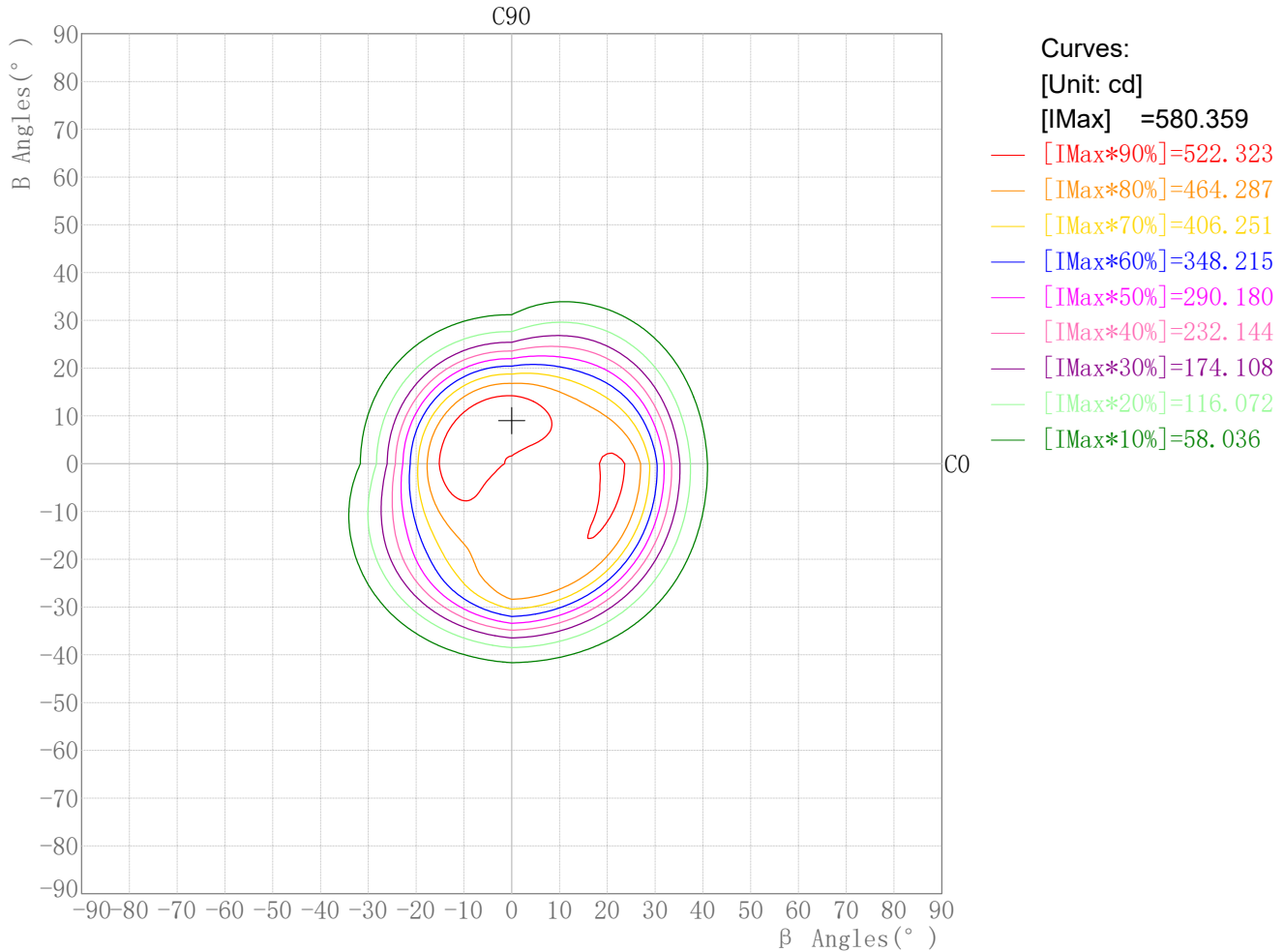
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Rectangle ISO Lighting Intensity Diagram

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2021/11/04

ISO Lighting Intensity Curve



Maximum Light Intensity(cd): 580.36

Maximum Cand.@Angle: H=0.0°,V=9.0°

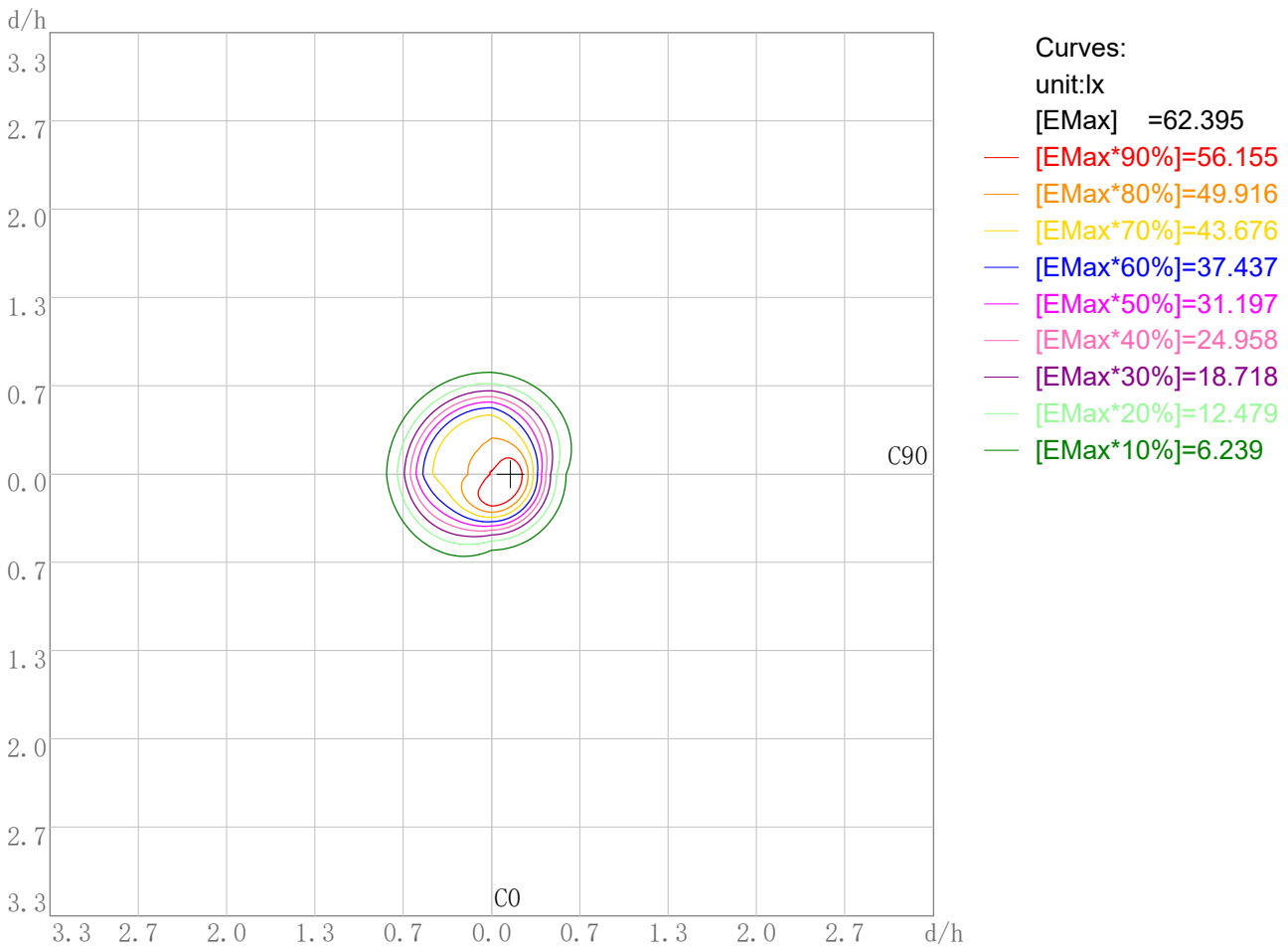
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Plane ISO-Illuminance Diagram

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2021/11/04

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 62.39

Working Plane Maximum Illuminance Position(d/h):H0.1 V0.0

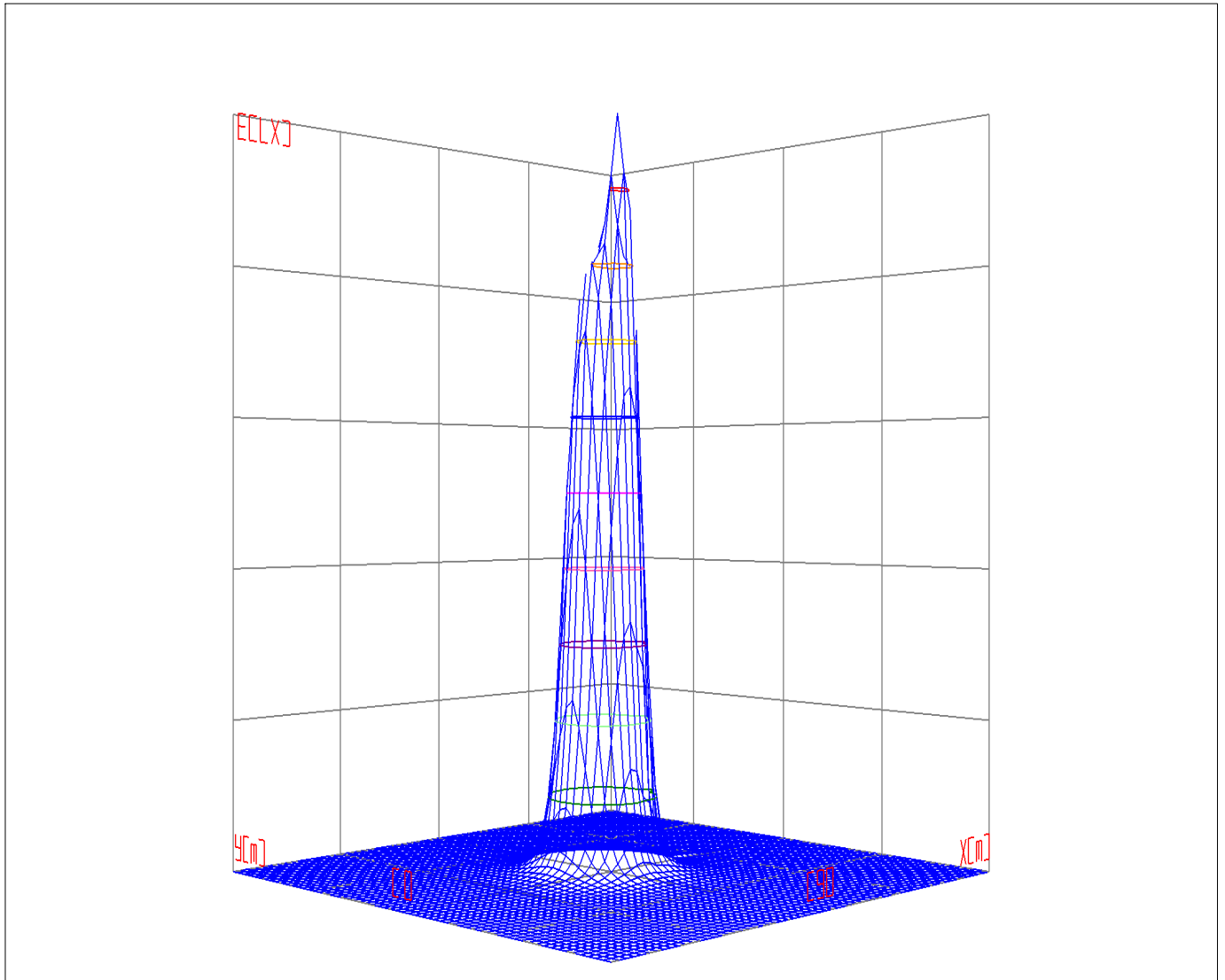
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3D Plane ISO Illuminance Diagram

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Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2021/11/04

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

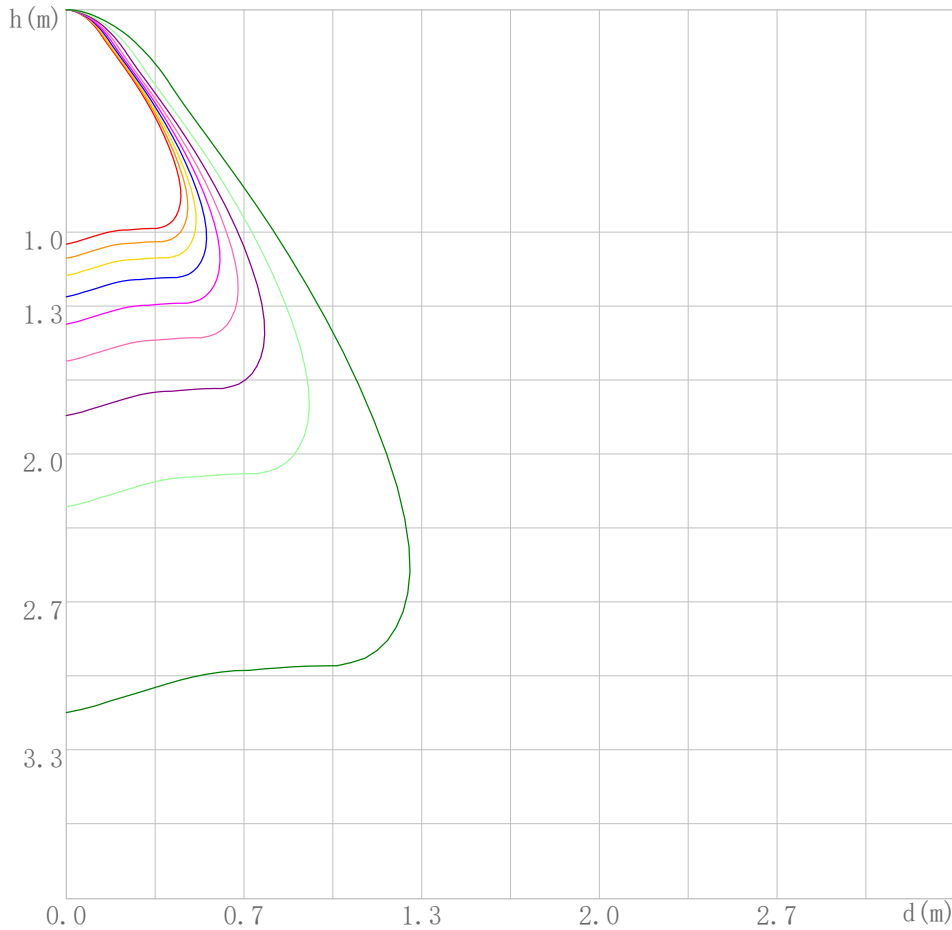
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Space ISO Illuminance Diagram

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog: LED	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2021/11/04

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =512.551

— [EMax*90%]=461.296

— [EMax*80%]=410.041

— [EMax*70%]=358.786

— [EMax*60%]=307.531

— [EMax*50%]=256.276

— [EMax*40%]=205.020

— [EMax*30%]=153.765

— [EMax*20%]=102.510

— [EMax*10%]=51.255

Space Plane Maximum Illuminance and @Angle:512.55lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:536.131cd,0deg

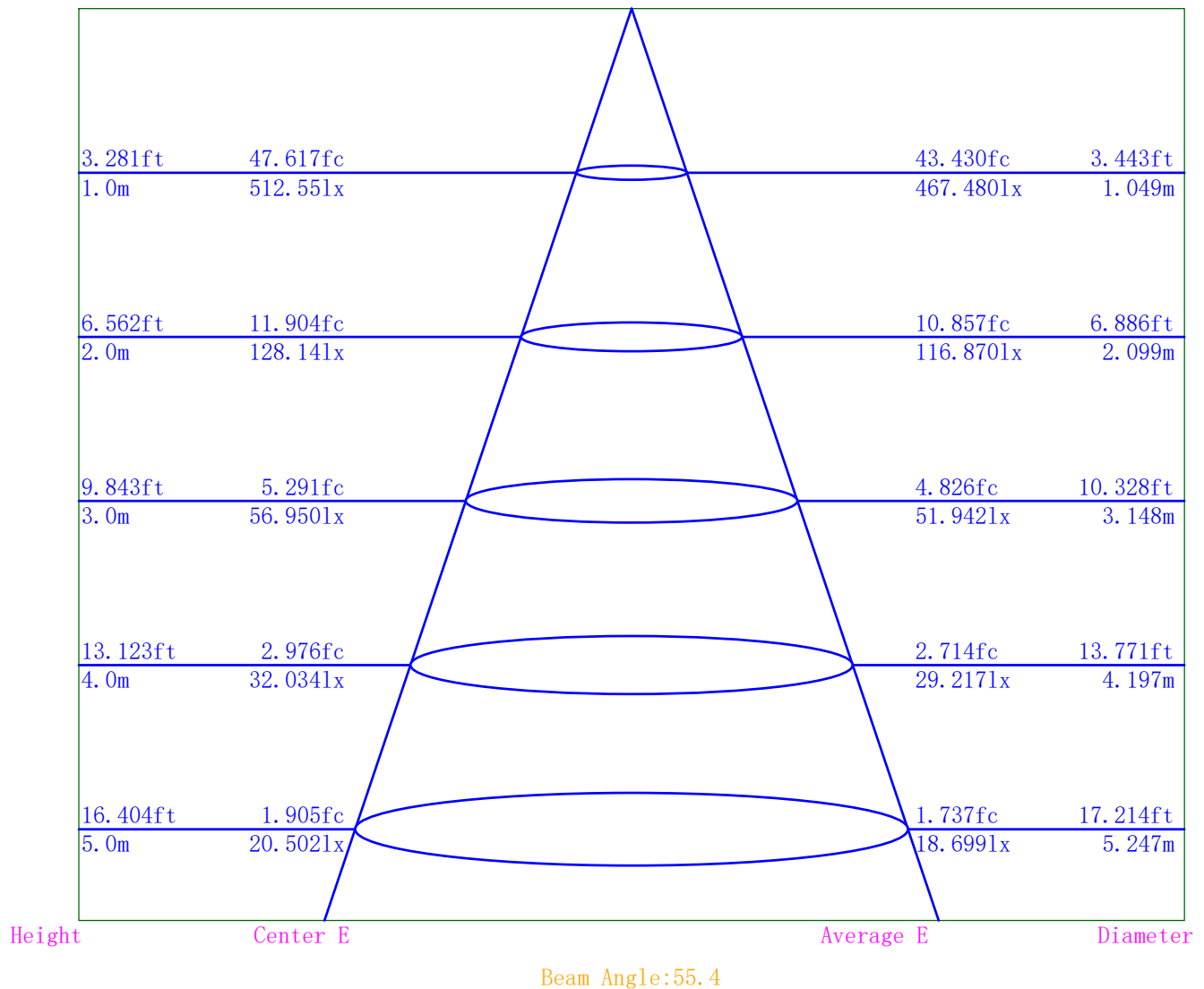
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Illuminance-Distance Diagram

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Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2021/11/04

Illuminance-Distance Curve



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Indoor Luminance Limiting Curves

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Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2021/11/04

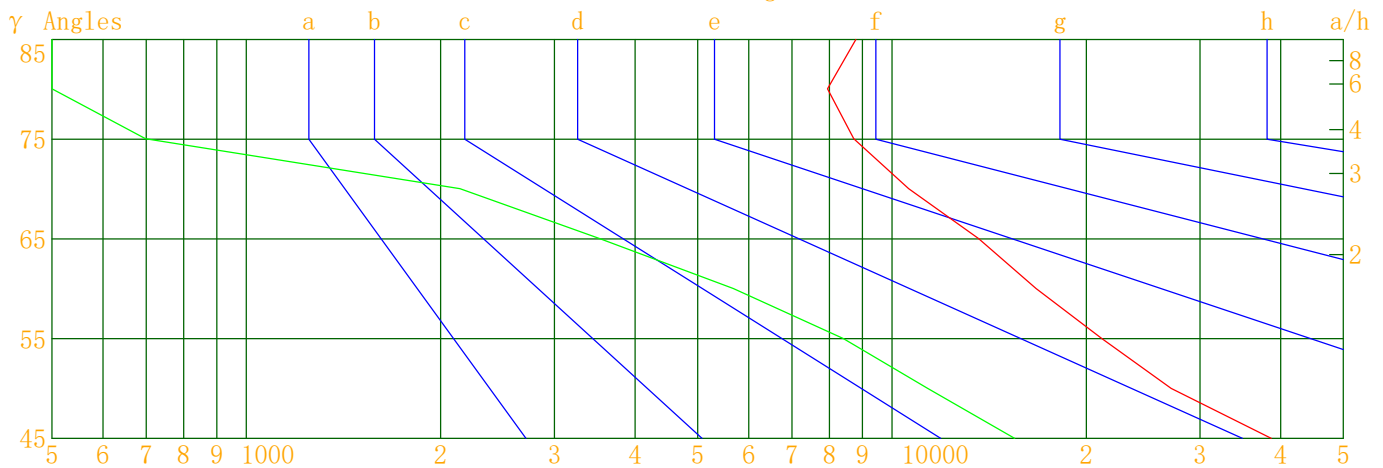
Glare Grade Table

GI	Quality	Using Illuminance							
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	38671	27061	21122	16714	13622	10616	8725	7947	8792
C90	15489	11362	8403	5680	3526	2142	698	0	0

Luminance Limiting Curve



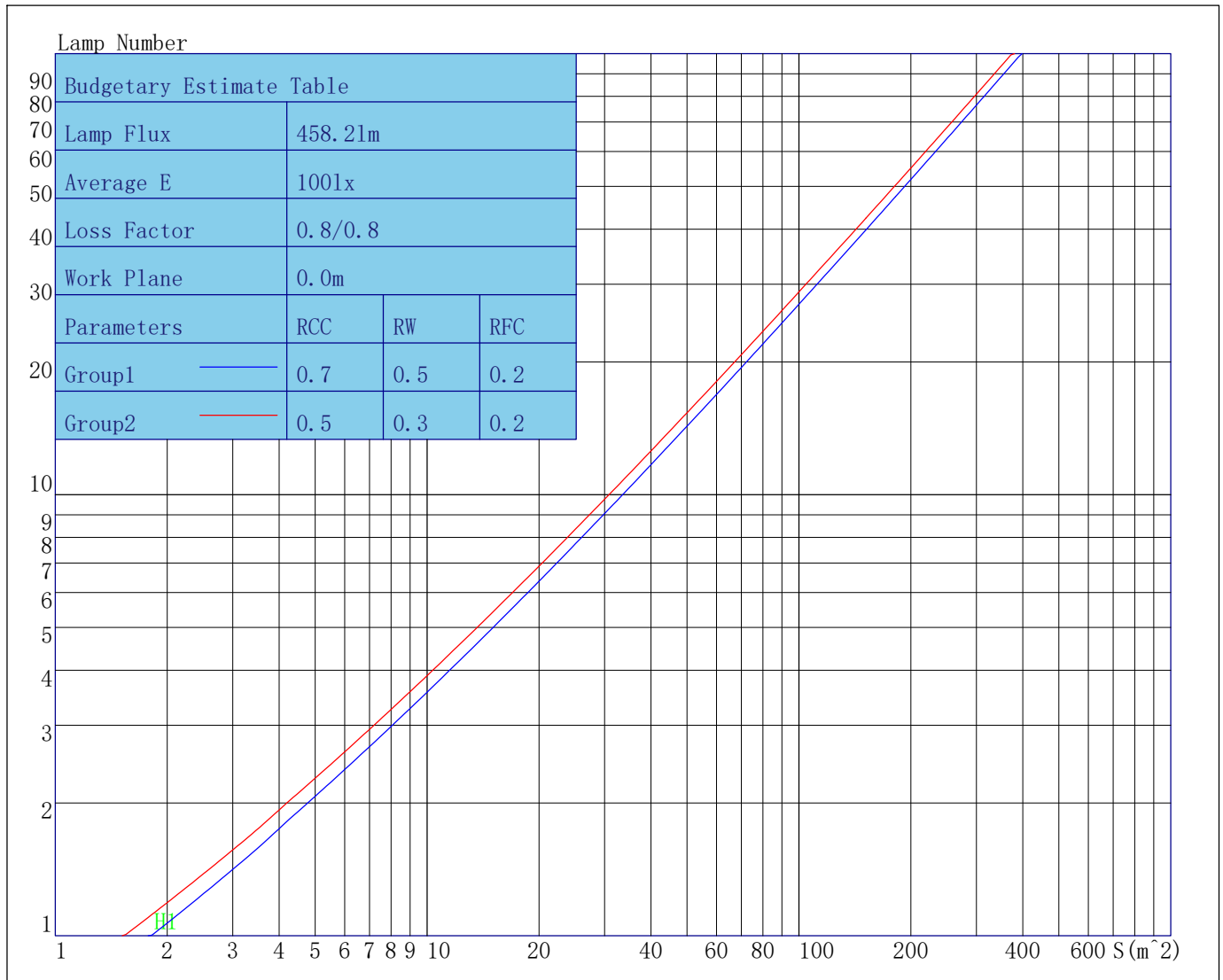
Luminous Size: Length(m)=-0.038 Width(m)=-0.038 Height(m)=0.000 Area(m²)=0.001134
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

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Indoor Budgetary Estimate Table

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
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Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine: GON-2000	Test Date: 2021/11/04



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:TR08-06-PR-02 3000K RA80 60D.IES

Indoor Coefficient of Utilization Table

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2021/11/04

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	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	88	87
3	103	96	91	87	101	95	90	87	92	88	85	90	86	84	87	85	83	81
4	98	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	78	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59
9	76	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52

IES Indoor Report

Photometric Filename:TR08-06-PR-02 3000K RA80 60D.IES

Unified Glare Rating Table

Lum. Name: TR08-06-PR-02 3000K RA80 60D	Lum. Catalog:	Test ID: 01
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2021/11/04

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	Viewed crosswise					Viewed endwise				
X=2H Y=2H	22.8	23.9	23.1	24.2	24.5	15.2	16.4	15.6	16.7	17.0
Y=3H	22.7	23.7	23.1	24.1	24.5	15.1	16.2	15.5	16.5	16.9
Y=4H	22.7	23.6	23.1	24.0	24.4	15.1	16.0	15.5	16.4	16.8
Y=6H	22.6	23.5	23.0	23.9	24.3	14.9	15.9	15.4	16.2	16.6
Y=8H	22.6	23.4	23.0	23.8	24.3	14.9	15.8	15.3	16.2	16.6
Y=12H	22.5	23.4	23.0	23.8	24.2	14.8	15.7	15.3	16.1	16.5
X=4H Y=2H	22.5	23.5	22.9	23.9	24.3	15.2	16.2	15.6	16.5	16.9
Y=3H	22.5	23.4	22.9	23.8	24.2	15.2	16.0	15.6	16.4	16.8
Y=4H	22.5	23.3	22.9	23.7	24.1	15.1	15.9	15.5	16.3	16.7
Y=6H	22.5	23.1	22.9	23.6	24.1	15.0	15.7	15.4	16.1	16.6
Y=8H	22.4	23.1	22.9	23.5	24.0	14.9	15.6	15.4	16.0	16.5
Y=12H	22.4	23.0	22.9	23.5	24.0	14.9	15.4	15.3	15.9	16.4
X=8H Y=4H	22.3	23.0	22.8	23.5	23.9	15.0	15.6	15.5	16.1	16.6
Y=6H	22.3	22.9	22.8	23.4	24.0	14.9	15.4	15.4	15.9	16.5
Y=8H	22.3	22.8	22.8	23.4	23.9	14.8	15.3	15.3	15.9	16.4
Y=12H	22.3	22.8	22.9	23.3	23.9	14.8	15.2	15.3	15.7	16.3
X=12H Y=4H	22.3	22.9	22.8	23.4	23.9	14.9	15.5	15.4	16.0	16.5
Y=6H	22.3	22.8	22.8	23.3	23.8	14.8	15.4	15.4	15.8	16.4
Y=8H	22.3	22.8	22.8	23.3	23.8	14.8	15.3	15.3	15.8	16.3
Variations with the observer position at spacings										
S=1.0H	0.4/-0.4					1.1/-1.3				
S=1.5H	0.8/-0.9					2.1/-2.7				
S=2.0H	1.7/-1.5					3.3/-4.4				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.4					0.4				

to the CIE Pub.117, data has been corrected, refers to the lamp's lumens 8.2flm.

IES Indoor Report

Photometric Filename: TR08-06-PR-02 3000K RA80 60D.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	512.55	512.55	512.55	512.55
γ 1.0	508.50	517.32	519.58	503.83
γ 2.0	503.72	525.39	525.32	497.27
γ 3.0	498.06	534.96	531.67	492.13
γ 4.0	493.56	544.88	538.23	486.95
γ 5.0	489.54	553.90	544.21	481.56
γ 6.0	485.90	563.88	549.50	478.11
γ 7.0	482.88	572.52	555.11	474.77
γ 8.0	480.48	578.27	560.22	472.81
γ 9.0	479.23	580.36	564.67	471.67
γ 10.0	479.54	578.09	566.97	471.13
γ 11.0	481.24	571.08	567.41	470.06
γ 12.0	484.33	559.69	563.74	470.56
γ 13.0	489.44	544.44	555.60	471.76
γ 14.0	493.55	526.72	542.98	473.89
γ 15.0	498.83	507.01	525.85	476.37
γ 16.0	504.34	485.15	505.56	478.89
γ 17.0	511.14	458.91	482.43	481.63
γ 18.0	519.16	430.62	456.23	485.60
γ 19.0	528.24	398.14	426.90	490.01
γ 20.0	532.85	363.71	392.52	496.20
γ 21.0	536.13	326.73	356.95	503.87
γ 22.0	534.40	288.97	319.54	509.55
γ 23.0	529.10	252.13	281.57	513.97
γ 24.0	518.68	217.26	244.62	514.98
γ 25.0	504.92	185.80	208.94	510.63
γ 26.0	486.54	156.81	176.03	501.95
γ 27.0	463.32	130.52	147.54	490.73
γ 28.0	434.93	107.82	122.71	473.65
γ 29.0	401.48	88.32	101.00	450.02
γ 30.0	364.57	72.87	81.95	421.09
γ 31.0	325.11	59.70	66.64	386.56
γ 32.0	285.80	49.45	53.94	347.45
γ 33.0	248.11	41.32	43.88	306.34
γ 34.0	212.76	35.04	36.01	266.14
γ 35.0	179.67	30.30	29.95	226.23
γ 36.0	150.22	26.56	25.46	189.34
γ 37.0	124.63	23.65	21.97	156.27
γ 38.0	103.31	21.44	19.34	127.74
γ 39.0	84.86	19.56	17.31	103.86
γ 40.0	69.75	18.04	15.72	83.47
γ 41.0	57.56	16.70	14.37	66.37
γ 42.0	48.23	15.51	13.23	53.35
γ 43.0	40.97	14.44	12.21	43.63
γ 44.0	35.33	13.41	11.36	35.99
γ 45.0	31.01	12.42	10.51	30.28
γ 46.0	27.69	11.47	9.72	26.15

IES Indoor Report

Photometric Filename: TR08-06-PR-02 3000K RA80 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	24.98	10.58	8.99	23.08
γ 48.0	22.90	9.70	8.30	20.79
γ 49.0	21.15	8.93	7.63	18.94
γ 50.0	19.73	8.28	7.08	17.43
γ 51.0	18.29	7.70	6.70	16.18
γ 52.0	17.01	7.13	6.30	15.00
γ 53.0	15.84	6.57	5.93	13.90
γ 54.0	14.74	6.02	5.55	12.90
γ 55.0	13.74	5.47	5.21	12.02
γ 56.0	12.78	4.93	4.82	11.22
γ 57.0	11.88	4.46	4.46	10.48
γ 58.0	10.98	4.01	4.11	9.76
γ 59.0	10.16	3.60	3.80	9.07
γ 60.0	9.48	3.22	3.50	8.48
γ 61.0	8.85	2.85	3.20	8.05
γ 62.0	8.25	2.45	2.89	7.62
γ 63.0	7.65	2.17	2.55	7.24
γ 64.0	7.09	1.94	2.32	6.85
γ 65.0	6.53	1.69	2.10	6.44
γ 66.0	5.97	1.47	1.87	6.02
γ 67.0	5.44	1.29	1.64	5.60
γ 68.0	4.98	1.14	1.47	5.21
γ 69.0	4.54	0.98	1.31	4.85
γ 70.0	4.12	0.83	1.15	4.51
γ 71.0	3.72	0.69	1.00	4.16
γ 72.0	3.35	0.56	0.86	3.82
γ 73.0	3.05	0.43	0.72	3.44
γ 74.0	2.81	0.32	0.58	3.18
γ 75.0	2.56	0.20	0.46	2.95
γ 76.0	2.31	0.11	0.34	2.69
γ 77.0	2.10	0.00	0.23	2.44
γ 78.0	1.91	0.00	0.12	2.24
γ 79.0	1.74	0.00	0.02	2.05
γ 80.0	1.57	0.00	0.00	1.88
γ 81.0	1.41	0.00	0.00	1.70
γ 82.0	1.26	0.00	0.00	1.54
γ 83.0	1.12	0.00	0.00	1.37
γ 84.0	0.99	0.00	0.00	1.24
γ 85.0	0.87	0.00	0.00	1.09
γ 86.0	0.75	0.00	0.00	0.95
γ 87.0	0.62	0.00	0.00	0.82
γ 88.0	0.51	0.00	0.00	0.70
γ 89.0	0.41	0.00	0.00	0.56
γ 90.0	0.31	0.00	0.00	0.44
γ 91.0	0.21	0.00	0.00	0.32
γ 92.0	0.12	0.00	0.00	0.18
γ 93.0	0.04	0.00	0.00	0.11

IES Indoor Report

Photometric Filename:TR08-06-PR-02 3000K RA80 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.00	0.00	0.00	0.05
γ 95.0	0.00	0.00	0.00	0.00
γ 96.0	0.00	0.00	0.00	0.00
γ 97.0	0.00	0.00	0.00	0.00
γ 98.0	0.00	0.00	0.00	0.00
γ 99.0	0.00	0.00	0.00	0.00
γ 100.0	0.00	0.00	0.00	0.00
γ 101.0	0.00	0.00	0.00	0.00
γ 102.0	0.00	0.00	0.00	0.00
γ 103.0	0.00	0.00	0.00	0.00
γ 104.0	0.00	0.00	0.00	0.00
γ 105.0	0.00	0.00	0.00	0.00
γ 106.0	0.00	0.00	0.00	0.00
γ 107.0	0.00	0.00	0.00	0.00
γ 108.0	0.00	0.00	0.00	0.00
γ 109.0	0.00	0.00	0.00	0.00
γ 110.0	0.00	0.00	0.00	0.00
γ 111.0	0.00	0.00	0.00	0.00
γ 112.0	0.00	0.00	0.00	0.00
γ 113.0	0.00	0.00	0.00	0.00
γ 114.0	0.00	0.00	0.00	0.00
γ 115.0	0.00	0.00	0.00	0.00
γ 116.0	0.00	0.00	0.00	0.00
γ 117.0	0.00	0.00	0.00	0.00
γ 118.0	0.00	0.00	0.00	0.00
γ 119.0	0.00	0.00	0.00	0.00
γ 120.0	0.00	0.00	0.00	0.00
γ 121.0	0.00	0.00	0.00	0.00
γ 122.0	0.00	0.00	0.00	0.00
γ 123.0	0.00	0.00	0.00	0.00
γ 124.0	0.00	0.00	0.00	0.00
γ 125.0	0.00	0.00	0.00	0.00
γ 126.0	0.00	0.00	0.00	0.00
γ 127.0	0.00	0.00	0.00	0.00
γ 128.0	0.00	0.00	0.00	0.00
γ 129.0	0.00	0.00	0.00	0.00
γ 130.0	0.00	0.00	0.00	0.00
γ 131.0	0.00	0.00	0.00	0.00
γ 132.0	0.00	0.00	0.03	0.00
γ 133.0	0.00	0.00	0.08	0.00
γ 134.0	0.00	0.00	0.16	0.00
γ 135.0	0.00	0.04	0.22	0.00
γ 136.0	0.00	0.11	0.28	0.00
γ 137.0	0.00	0.17	0.34	0.00
γ 138.0	0.00	0.24	0.40	0.00
γ 139.0	0.00	0.30	0.46	0.00
γ 140.0	0.00	0.37	0.52	0.01

IES Indoor Report

Photometric Filename: TR08-06-PR-02 3000K RA80 60D.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	0.00	0.43	0.60	0.06
γ 142.0	0.03	0.49	0.65	0.12
γ 143.0	0.09	0.56	0.72	0.18
γ 144.0	0.16	0.63	0.78	0.23
γ 145.0	0.21	0.69	0.84	0.28
γ 146.0	0.28	0.75	0.91	0.34
γ 147.0	0.33	0.80	0.95	0.40
γ 148.0	0.40	0.85	1.01	0.46
γ 149.0	0.46	0.90	1.06	0.52
γ 150.0	0.52	0.94	1.12	0.57
γ 151.0	0.59	0.98	1.15	0.65
γ 152.0	0.65	1.02	1.20	0.71
γ 153.0	0.71	1.05	1.25	0.77
γ 154.0	0.78	1.09	1.28	0.83
γ 155.0	0.83	1.11	1.31	0.89
γ 156.0	0.89	1.13	1.34	0.95
γ 157.0	0.94	1.17	1.38	1.01
γ 158.0	0.99	1.21	1.40	1.06
γ 159.0	1.03	1.24	1.43	1.11
γ 160.0	1.08	1.28	1.46	1.15
γ 161.0	1.12	1.31	1.49	1.21
γ 162.0	1.16	1.34	1.52	1.25
γ 163.0	1.20	1.38	1.55	1.28
γ 164.0	1.25	1.42	1.58	1.33
γ 165.0	1.29	1.45	1.59	1.36
γ 166.0	1.32	1.49	1.62	1.41
γ 167.0	1.36	1.51	1.65	1.44
γ 168.0	1.41	1.54	1.68	1.48
γ 169.0	1.45	1.57	1.69	1.52
γ 170.0	1.50	1.60	1.71	1.56
γ 171.0	1.54	1.62	1.72	1.60
γ 172.0	1.58	1.64	1.73	1.64
γ 173.0	1.61	1.66	1.75	1.67
γ 174.0	1.65	1.68	1.76	1.70
γ 175.0	1.69	1.70	1.77	1.74
γ 176.0	1.70	1.71	1.77	1.77
γ 177.0	1.73	1.73	1.77	1.78
γ 178.0	1.75	1.74	1.78	1.80
γ 179.0	1.76	1.75	1.78	1.81
γ 180.0	1.78	1.78	1.78	1.78
