

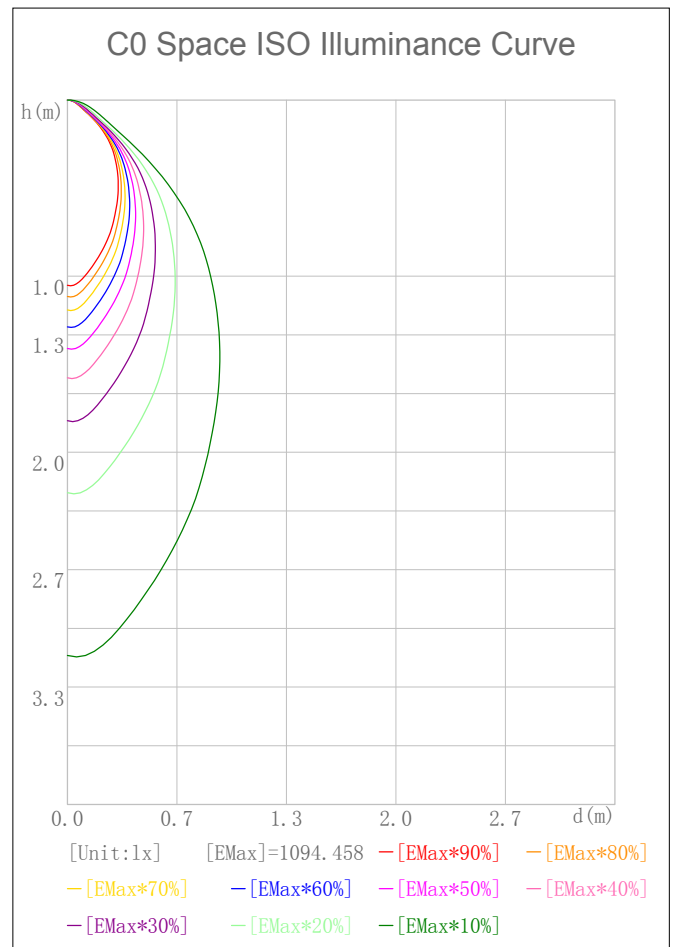
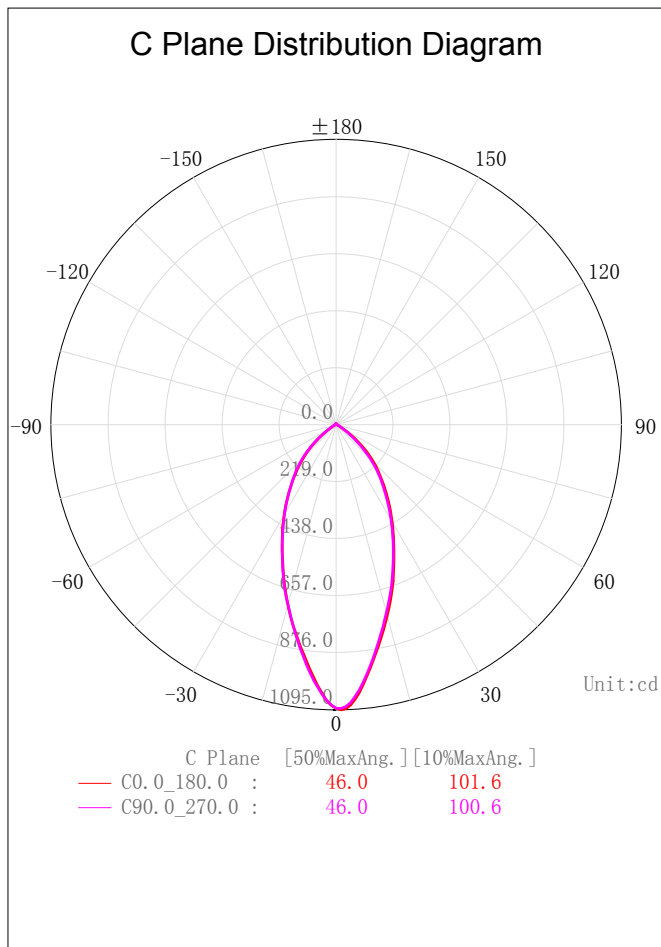
**Indoor Luminaire Photometric Data**

**Description Information**

Luminary Name: DL44-13-C5-03 RA80 2700K 40D		Lum. Catalog:	Test ID: 01
Lamp Name:		Lamp Catalog: LED	Test Date: 2020/12/08
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): 0.000m*0.000m*0.000m		Lum. Area (m2): 0.000	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): 956.000	Luminary Flux(lm): 955.998	Field Angle(10%Imax): 101.6(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 950.996lm 99.48%	
Rated Voltage(V):	Luminary EER(lm/W): 71.290	Up Lumens&Percent: 5.002lm 0.52%	
Tested Power(W): 13.410	Max. Candela(cd): 1094.958	S/MH: C0_a180=0.685 C90_270=0.681	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 240.4, 0.058, 0.950	Beam Angle (50%Imax): 46.0(°)	ErP φ use(90°): 811.610lm	
Lamp Size (W*L*H): 0.000m*0.000m*0.000m	Left=-22.1°, Right=23.9°	IRF(%): 254.885	



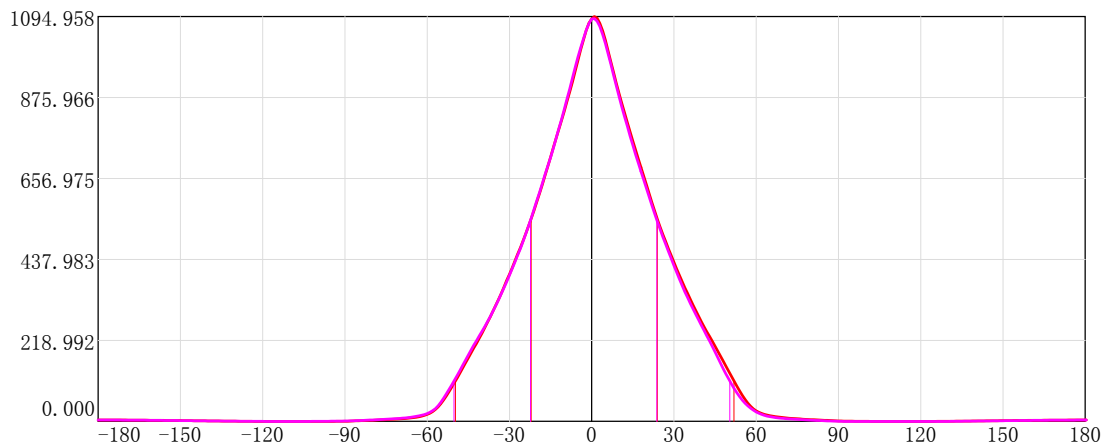
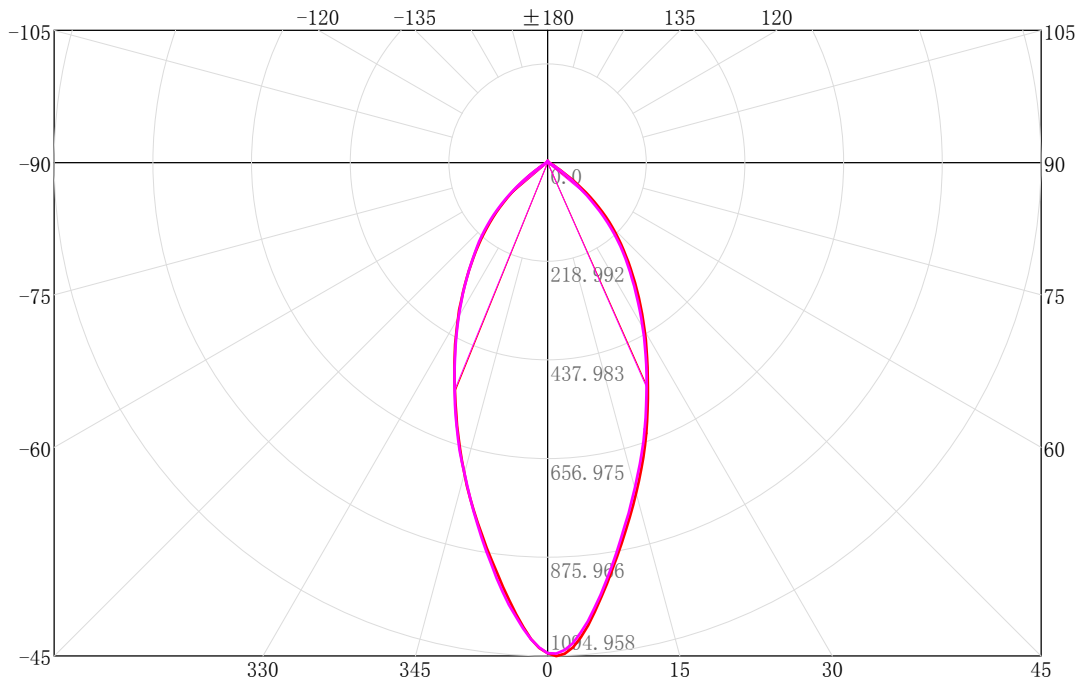
# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## 2D Plane Light Intensity Distribution Curve

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

C Plane Distribution Diagram



C Plane [50%MaxAng.] [10%MaxAng.]  
 — C0.0\_180.0 : 46.0 101.6  
 — C90.0\_270.0 : 46.0 100.6

Unit:cd

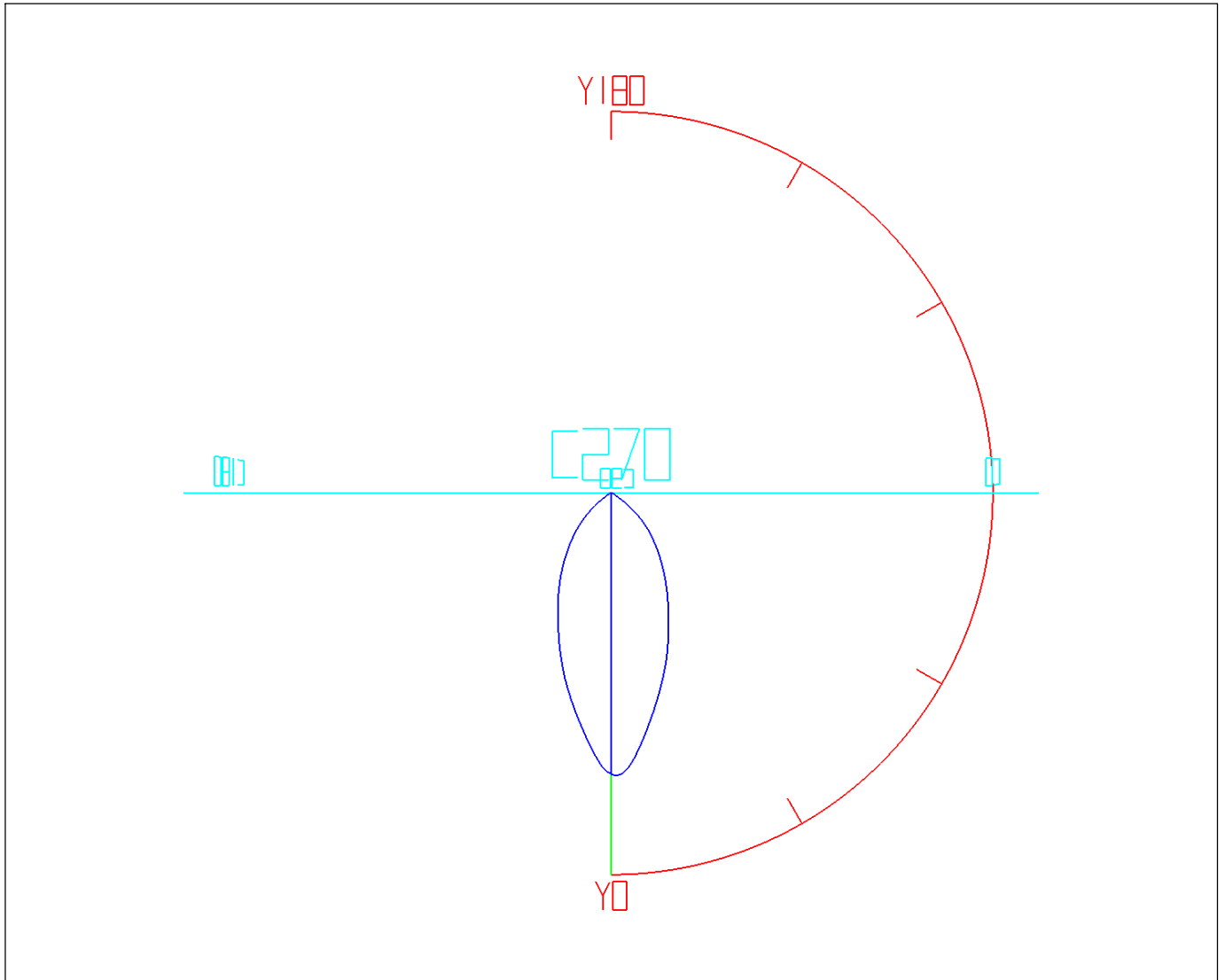
# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## 3D Light Intensity Distribution Modal

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

## 3D Light Intensity Distribution Modal



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

# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Zonal Flux Tabulation

Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.04	1.04	0.11	0.11	47.0-48.0	12.20	852.70	1.28	89.19
1.0-2.0	3.10	4.13	0.32	0.43	48.0-49.0	11.25	863.95	1.18	90.37
2.0-3.0	5.08	9.22	0.53	0.96	49.0-50.0	10.29	874.24	1.08	91.45
3.0-4.0	6.97	16.19	0.73	1.69	50.0-51.0	9.31	883.55	0.97	92.42
4.0-5.0	8.74	24.93	0.91	2.61	51.0-52.0	8.34	891.88	0.87	93.29
5.0-6.0	10.40	35.33	1.09	3.70	52.0-53.0	7.38	899.26	0.77	94.06
6.0-7.0	11.92	47.25	1.25	4.94	53.0-54.0	6.44	905.70	0.67	94.74
7.0-8.0	13.34	60.59	1.40	6.34	54.0-55.0	5.55	911.25	0.58	95.32
8.0-9.0	14.65	75.24	1.53	7.87	55.0-56.0	4.72	915.97	0.49	95.81
9.0-10.0	15.86	91.10	1.66	9.53	56.0-57.0	3.98	919.95	0.42	96.23
10.0-11.0	16.97	108.06	1.77	11.30	57.0-58.0	3.35	923.30	0.35	96.58
11.0-12.0	17.98	126.05	1.88	13.18	58.0-59.0	2.83	926.13	0.30	96.88
12.0-13.0	18.91	144.95	1.98	15.16	59.0-60.0	2.42	928.56	0.25	97.13
13.0-14.0	19.74	164.69	2.06	17.23	60.0-61.0	2.10	930.65	0.22	97.35
14.0-15.0	20.48	185.17	2.14	19.37	61.0-62.0	1.84	932.50	0.19	97.54
15.0-16.0	21.14	206.30	2.21	21.58	62.0-63.0	1.64	934.14	0.17	97.71
16.0-17.0	21.72	228.03	2.27	23.85	63.0-64.0	1.48	935.61	0.15	97.87
17.0-18.0	22.22	250.25	2.32	26.18	64.0-65.0	1.34	936.95	0.14	98.01
18.0-19.0	22.63	272.88	2.37	28.54	65.0-66.0	1.22	938.17	0.13	98.14
19.0-20.0	22.94	295.81	2.40	30.94	66.0-67.0	1.12	939.30	0.12	98.25
20.0-21.0	23.16	318.97	2.42	33.37	67.0-68.0	1.04	940.33	0.11	98.36
21.0-22.0	23.31	342.29	2.44	35.80	68.0-69.0	0.96	941.30	0.10	98.46
22.0-23.0	23.41	365.69	2.45	38.25	69.0-70.0	0.90	942.19	0.09	98.56
23.0-24.0	23.45	389.14	2.45	40.71	70.0-71.0	0.83	943.03	0.09	98.64
24.0-25.0	23.44	412.58	2.45	43.16	71.0-72.0	0.78	943.81	0.08	98.72
25.0-26.0	23.39	435.97	2.45	45.60	72.0-73.0	0.73	944.54	0.08	98.80
26.0-27.0	23.29	459.26	2.44	48.04	73.0-74.0	0.68	945.22	0.07	98.87
27.0-28.0	23.13	482.39	2.42	50.46	74.0-75.0	0.64	945.86	0.07	98.94
28.0-29.0	22.93	505.32	2.40	52.86	75.0-76.0	0.60	946.46	0.06	99.00
29.0-30.0	22.68	528.01	2.37	55.23	76.0-77.0	0.56	947.02	0.06	99.06
30.0-31.0	22.39	550.39	2.34	57.57	77.0-78.0	0.52	947.54	0.05	99.11
31.0-32.0	22.05	572.44	2.31	59.88	78.0-79.0	0.48	948.01	0.05	99.16
32.0-33.0	21.66	594.11	2.27	62.15	79.0-80.0	0.44	948.46	0.05	99.21
33.0-34.0	21.24	615.35	2.22	64.37	80.0-81.0	0.41	948.86	0.04	99.25
34.0-35.0	20.79	636.14	2.17	66.54	81.0-82.0	0.37	949.23	0.04	99.29
35.0-36.0	20.30	656.44	2.12	68.67	82.0-83.0	0.33	949.57	0.03	99.33
36.0-37.0	19.79	676.23	2.07	70.74	83.0-84.0	0.30	949.86	0.03	99.36
37.0-38.0	19.27	695.49	2.02	72.75	84.0-85.0	0.27	950.13	0.03	99.39
38.0-39.0	18.73	714.22	1.96	74.71	85.0-86.0	0.24	950.37	0.02	99.41
39.0-40.0	18.15	732.37	1.90	76.61	86.0-87.0	0.21	950.57	0.02	99.43
40.0-41.0	17.56	749.93	1.84	78.44	87.0-88.0	0.17	950.75	0.02	99.45
41.0-42.0	16.93	766.85	1.77	80.21	88.0-89.0	0.14	950.89	0.01	99.47
42.0-43.0	16.26	783.11	1.70	81.92	89.0-90.0	0.11	951.00	0.01	99.48
43.0-44.0	15.54	798.65	1.63	83.54	90.0-91.0	0.09	951.08	0.01	99.49
44.0-45.0	14.78	813.43	1.55	85.09	91.0-92.0	0.07	951.15	0.01	99.49
45.0-46.0	13.96	827.39	1.46	86.55	92.0-93.0	0.06	951.21	0.01	99.50
46.0-47.0	13.11	840.50	1.37	87.92	93.0-94.0	0.05	951.26	0.01	99.50

# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Zonal Flux Tabulation - (Cont.)

Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone( $\gamma$ )	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.04	951.31	0.00	99.51	141.0-142.0	0.10	952.64	0.01	99.65
95.0-96.0	0.04	951.34	0.00	99.51	142.0-143.0	0.10	952.74	0.01	99.66
96.0-97.0	0.03	951.37	0.00	99.52	143.0-144.0	0.11	952.85	0.01	99.67
97.0-98.0	0.03	951.40	0.00	99.52	144.0-145.0	0.11	952.95	0.01	99.68
98.0-99.0	0.02	951.42	0.00	99.52	145.0-146.0	0.11	953.07	0.01	99.69
99.0-100.0	0.02	951.44	0.00	99.52	146.0-147.0	0.11	953.18	0.01	99.70
100.0-101.0	0.02	951.46	0.00	99.52	147.0-148.0	0.12	953.29	0.01	99.72
101.0-102.0	0.01	951.47	0.00	99.53	148.0-149.0	0.12	953.41	0.01	99.73
102.0-103.0	0.01	951.48	0.00	99.53	149.0-150.0	0.12	953.53	0.01	99.74
103.0-104.0	0.01	951.49	0.00	99.53	150.0-151.0	0.12	953.65	0.01	99.75
104.0-105.0	0.01	951.49	0.00	99.53	151.0-152.0	0.12	953.77	0.01	99.77
105.0-106.0	0.00	951.50	0.00	99.53	152.0-153.0	0.12	953.89	0.01	99.78
106.0-107.0	0.00	951.50	0.00	99.53	153.0-154.0	0.12	954.02	0.01	99.79
107.0-108.0	0.00	951.50	0.00	99.53	154.0-155.0	0.12	954.14	0.01	99.81
108.0-109.0	0.00	951.51	0.00	99.53	155.0-156.0	0.12	954.26	0.01	99.82
109.0-110.0	0.00	951.51	0.00	99.53	156.0-157.0	0.12	954.38	0.01	99.83
110.0-111.0	0.00	951.51	0.00	99.53	157.0-158.0	0.12	954.49	0.01	99.84
111.0-112.0	0.00	951.51	0.00	99.53	158.0-159.0	0.12	954.61	0.01	99.85
112.0-113.0	0.00	951.51	0.00	99.53	159.0-160.0	0.11	954.72	0.01	99.87
113.0-114.0	0.00	951.51	0.00	99.53	160.0-161.0	0.11	954.83	0.01	99.88
114.0-115.0	0.00	951.52	0.00	99.53	161.0-162.0	0.11	954.94	0.01	99.89
115.0-116.0	0.00	951.52	0.00	99.53	162.0-163.0	0.10	955.04	0.01	99.90
116.0-117.0	0.00	951.52	0.00	99.53	163.0-164.0	0.10	955.14	0.01	99.91
117.0-118.0	0.00	951.52	0.00	99.53	164.0-165.0	0.10	955.24	0.01	99.92
118.0-119.0	0.00	951.53	0.00	99.53	165.0-166.0	0.09	955.33	0.01	99.93
119.0-120.0	0.01	951.53	0.00	99.53	166.0-167.0	0.09	955.42	0.01	99.94
120.0-121.0	0.01	951.54	0.00	99.53	167.0-168.0	0.08	955.50	0.01	99.95
121.0-122.0	0.01	951.55	0.00	99.53	168.0-169.0	0.08	955.58	0.01	99.96
122.0-123.0	0.01	951.57	0.00	99.54	169.0-170.0	0.07	955.65	0.01	99.96
123.0-124.0	0.02	951.58	0.00	99.54	170.0-171.0	0.06	955.71	0.01	99.97
124.0-125.0	0.02	951.60	0.00	99.54	171.0-172.0	0.06	955.77	0.01	99.98
125.0-126.0	0.02	951.63	0.00	99.54	172.0-173.0	0.05	955.82	0.01	99.98
126.0-127.0	0.03	951.65	0.00	99.55	173.0-174.0	0.05	955.87	0.00	99.99
127.0-128.0	0.03	951.68	0.00	99.55	174.0-175.0	0.04	955.91	0.00	99.99
128.0-129.0	0.04	951.72	0.00	99.55	175.0-176.0	0.03	955.94	0.00	99.99
129.0-130.0	0.04	951.76	0.00	99.56	176.0-177.0	0.03	955.96	0.00	100.00
130.0-131.0	0.05	951.81	0.00	99.56	177.0-178.0	0.02	955.98	0.00	100.00
131.0-132.0	0.05	951.86	0.01	99.57	178.0-179.0	0.01	955.99	0.00	100.00
132.0-133.0	0.06	951.91	0.01	99.57	179.0-180.0	0.00	956.00	0.00	100.00
133.0-134.0	0.06	951.98	0.01	99.58					
134.0-135.0	0.07	952.04	0.01	99.59					
135.0-136.0	0.07	952.11	0.01	99.59					
136.0-137.0	0.08	952.19	0.01	99.60					
137.0-138.0	0.08	952.27	0.01	99.61					
138.0-139.0	0.09	952.36	0.01	99.62					
139.0-140.0	0.09	952.45	0.01	99.63					
140.0-141.0	0.09	952.54	0.01	99.64					

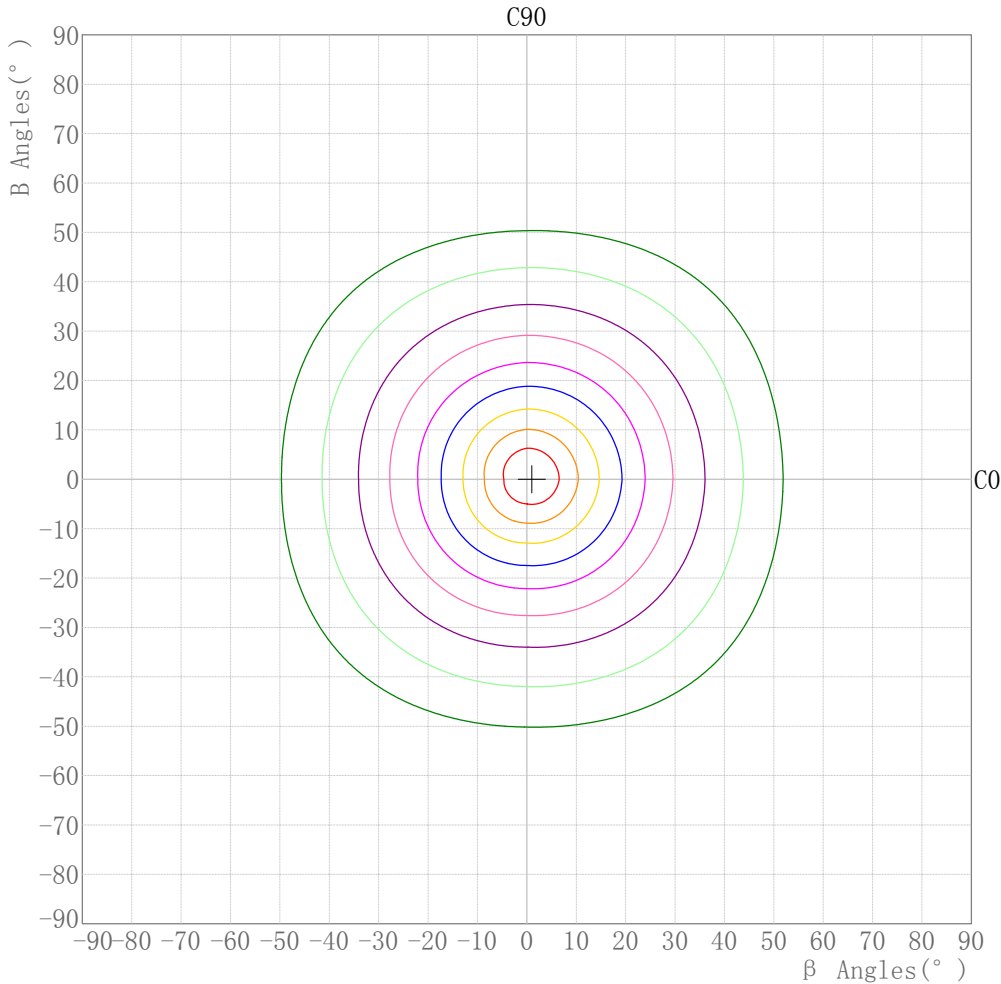
# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

### ISO Lighting Intensity Curve



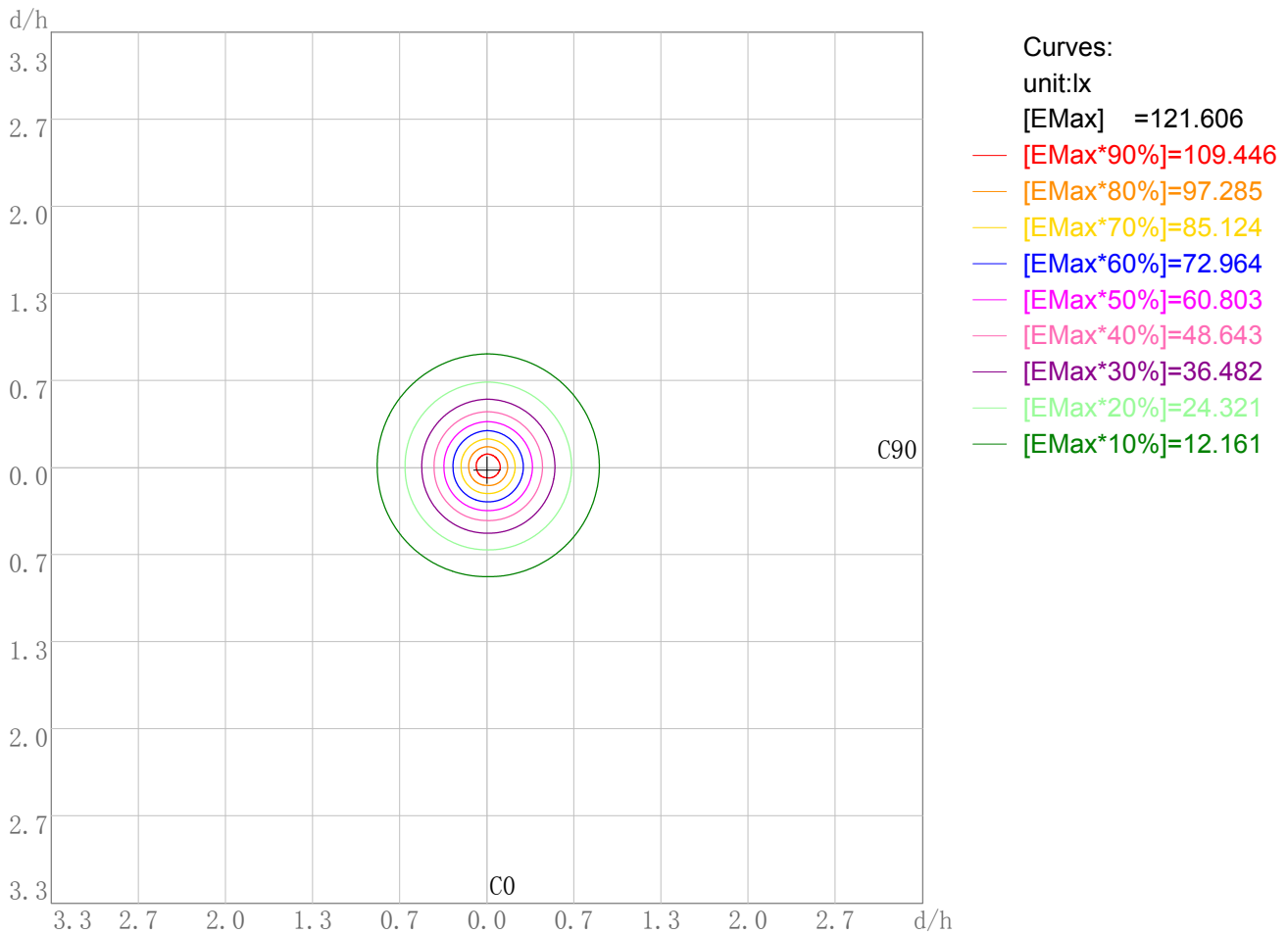
# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Plane ISO-Illuminance Diagram

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

### Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 121.61

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

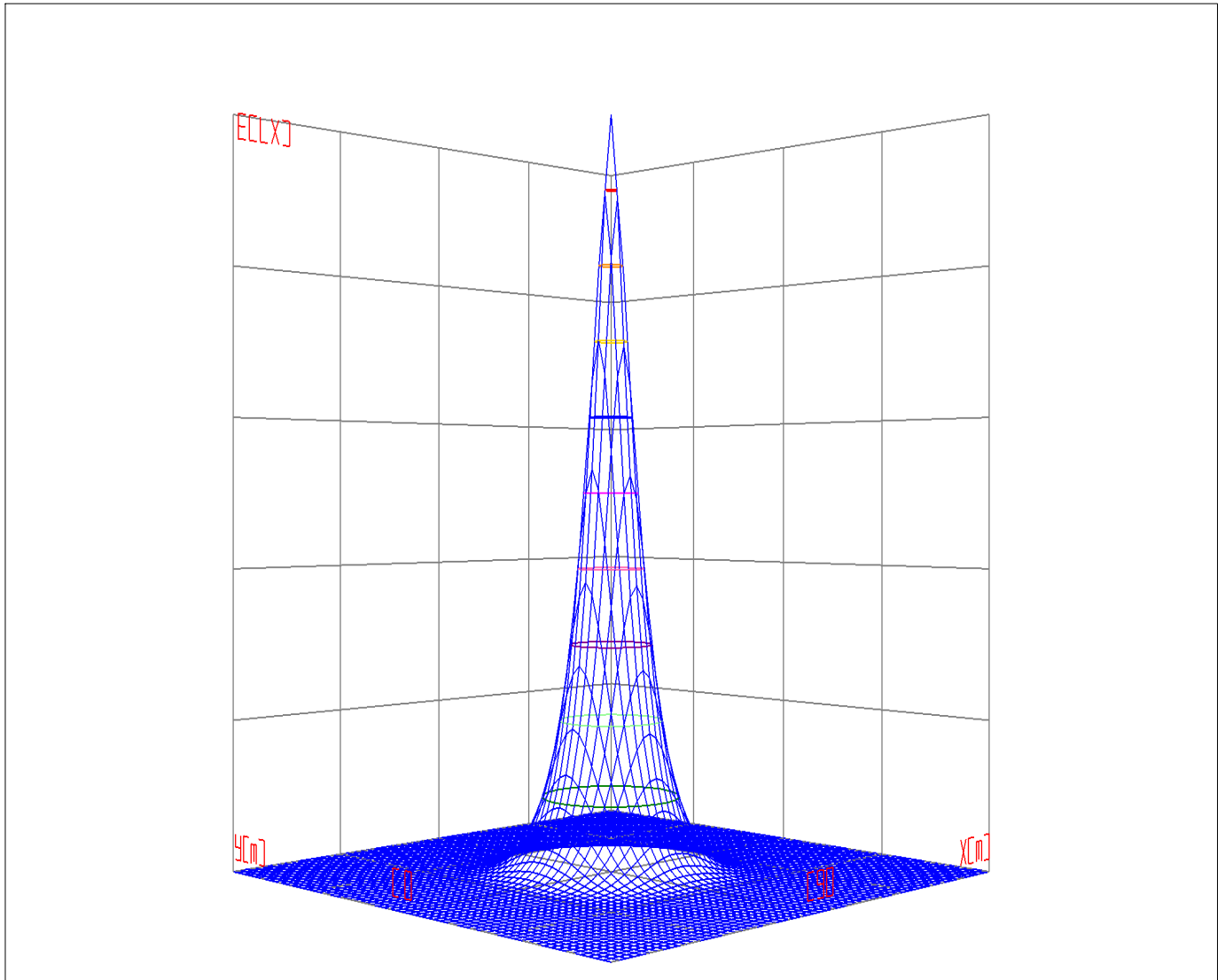
# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## 3D Plane ISO Illuminance Diagram

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

### 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



# IES Indoor Report

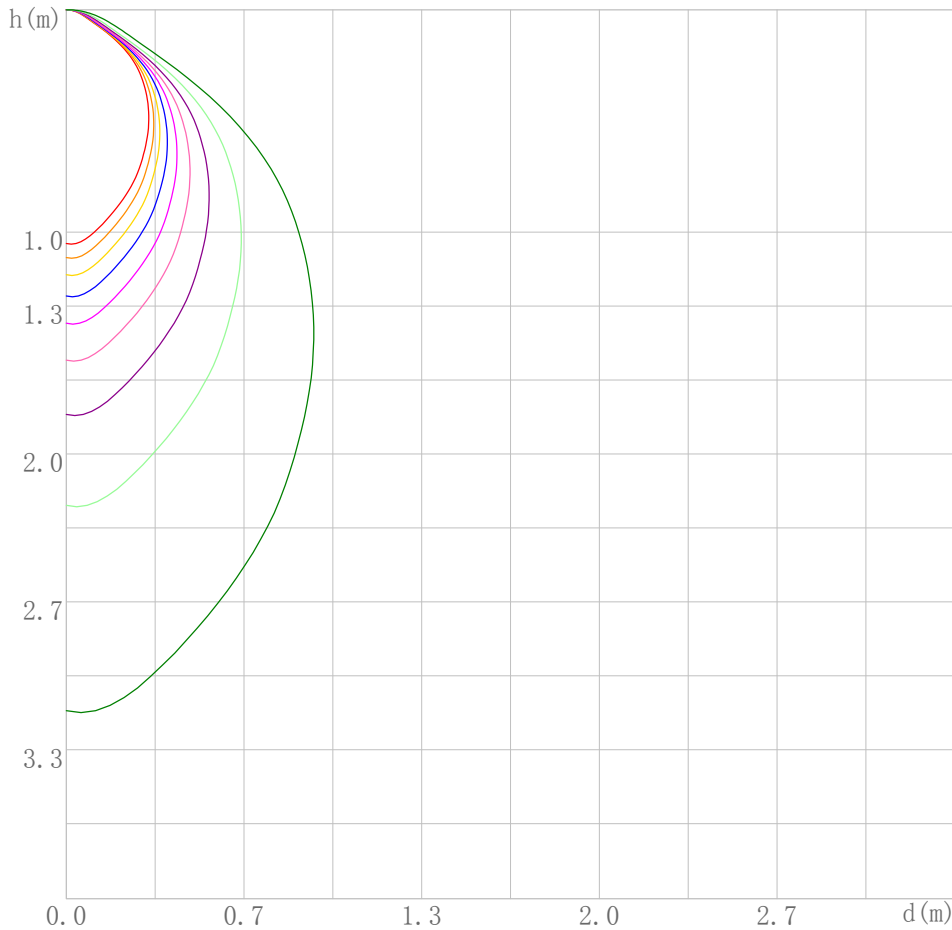
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## Space ISO Illuminance Diagram

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =1094.458

— [EMax\*90%]=985.012

— [EMax\*80%]=875.566

— [EMax\*70%]=766.120

— [EMax\*60%]=656.675

— [EMax\*50%]=547.229

— [EMax\*40%]=437.783

— [EMax\*30%]=328.337

— [EMax\*20%]=218.892

— [EMax\*10%]=109.446

Space Plane Maximum Illuminance and @Angle:1094.46lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:1094.958cd,0deg

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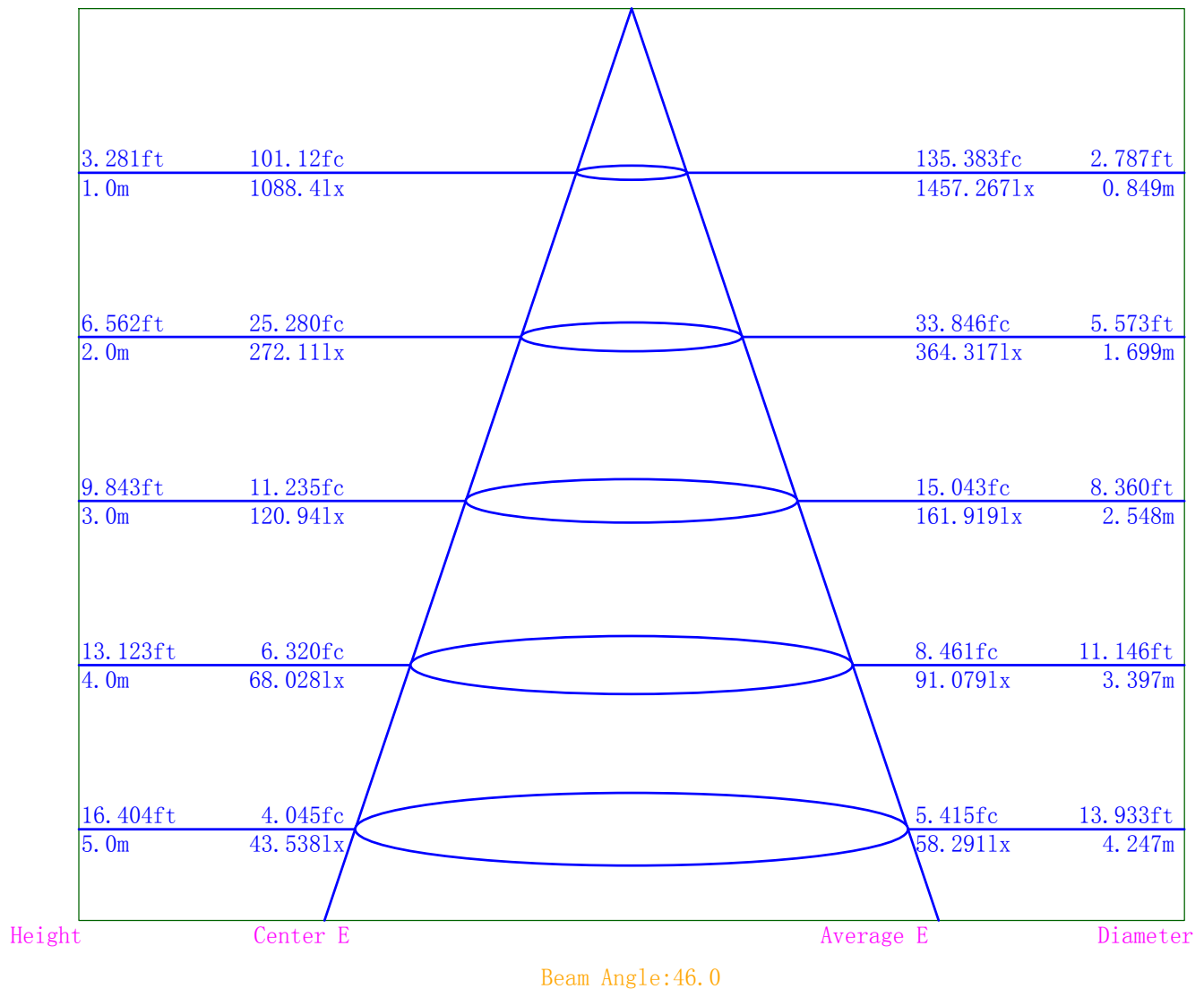
# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Illuminance-Distance Diagram

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

Illuminance-Distance Curve



**Indoor Luminance Limiting Curves**

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

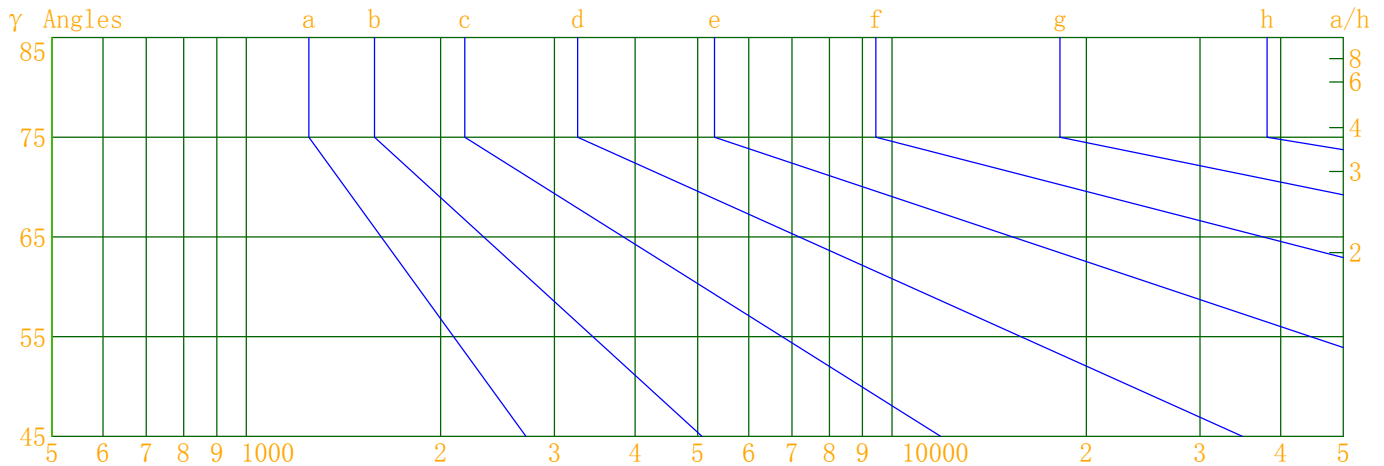
Glare Grade Table

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	0	0	0	0	0	0	0	0	0
C90	0	0	0	0	0	0	0	0	0

Luminance Limiting Curve



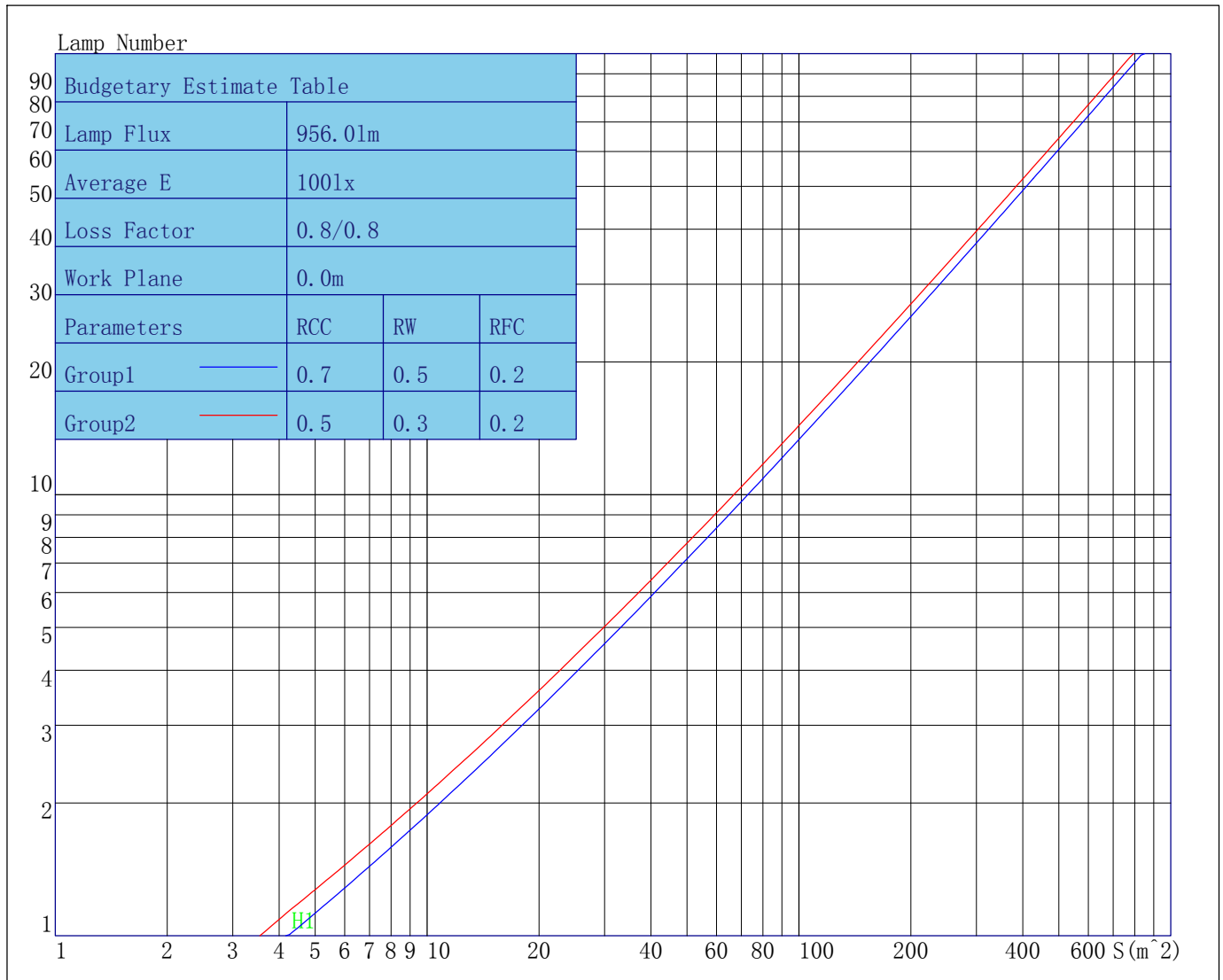
Luminous Size: Length(m)=0.000 Width(m)=0.000 Height(m)=0.000 Area(m^2)=0.000000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Indoor Budgetary Estimate Table

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08



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:DL44-13-C5-03 RA80 2700K 40D.IES

## Indoor Coefficient of Utilization Table

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

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	99
1	112	109	106	104	110	107	105	102	103	101	99	99	97	96	95	94	93	91
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	100	92	86	82	97	91	85	81	88	83	80	85	82	78	83	80	77	75
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63
6	83	73	66	61	81	72	66	61	70	65	61	69	64	60	67	63	60	58
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43

# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

## Unified Glare Rating Table

Lum. Name: DL44-13-C5-03 RA80 2700K 40D	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: 2020/12/08

## 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	-1.3	-0.1	-0.9	0.2	0.5	-1.3	-0.1	-0.9	0.2	0.5
Y=3H	-1.5	-0.4	-1.1	-0.1	0.3	-1.5	-0.4	-1.1	-0.1	0.3
Y=4H	-1.6	-0.6	-1.1	-0.2	0.2	-1.6	-0.6	-1.1	-0.2	0.2
Y=6H	-1.7	-0.8	-1.2	-0.4	0.0	-1.7	-0.8	-1.2	-0.4	0.0
Y=8H	-1.7	-0.9	-1.3	-0.5	-0.0	-1.7	-0.9	-1.3	-0.5	-0.0
Y=12H	-1.8	-1.0	-1.3	-0.6	-0.1	-1.8	-1.0	-1.3	-0.6	-0.1
X=4H Y=2H	-1.6	-0.6	-1.1	-0.2	0.2	-1.6	-0.6	-1.1	-0.2	0.2
Y=3H	-1.7	-1.0	-1.3	-0.5	-0.1	-1.7	-1.0	-1.3	-0.5	-0.1
Y=4H	-1.8	-1.1	-1.4	-0.7	-0.3	-1.8	-1.1	-1.4	-0.7	-0.3
Y=6H	-1.9	-1.3	-1.5	-0.9	-0.4	-1.9	-1.3	-1.5	-0.9	-0.4
Y=8H	-2.0	-1.4	-1.5	-1.0	-0.5	-2.0	-1.4	-1.5	-1.0	-0.5
Y=12H	-2.1	-1.6	-1.6	-1.1	-0.6	-2.1	-1.6	-1.6	-1.1	-0.6
X=8H Y=4H	-2.0	-1.4	-1.5	-1.0	-0.5	-2.0	-1.4	-1.5	-1.0	-0.5
Y=6H	-2.1	-1.7	-1.6	-1.1	-0.6	-2.1	-1.7	-1.6	-1.1	-0.6
Y=8H	-2.2	-1.8	-1.7	-1.2	-0.7	-2.2	-1.8	-1.7	-1.2	-0.7
Y=12H	-2.2	-1.9	-1.7	-1.4	-0.8	-2.2	-1.9	-1.7	-1.4	-0.8
X=12H Y=4H	-2.1	-1.6	-1.6	-1.1	-0.6	-2.1	-1.6	-1.6	-1.1	-0.6
Y=6H	-2.2	-1.8	-1.6	-1.3	-0.7	-2.2	-1.8	-1.6	-1.3	-0.7
Y=8H	-2.2	-1.9	-1.7	-1.4	-0.8	-2.2	-1.9	-1.7	-1.4	-0.8
Variations with the observer position at spacings										
S=1.0H	0.0/0.0					0.0/0.0				
S=1.5H	0.0/0.0					0.0/0.0				
S=2.0H	0.0/0.0					0.0/0.0				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	0.0					0.0				

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

# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

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## Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
$\gamma$ 0.0	1088.44	1088.44	1088.44	1088.44
$\gamma$ 1.0	1094.96	1089.34	1077.07	1076.03
$\gamma$ 2.0	1090.47	1082.27	1057.49	1058.22
$\gamma$ 3.0	1076.88	1068.04	1031.82	1035.45
$\gamma$ 4.0	1055.81	1046.16	1004.46	1009.97
$\gamma$ 5.0	1030.74	1021.84	975.52	985.10
$\gamma$ 6.0	1001.65	993.78	946.82	957.22
$\gamma$ 7.0	972.37	965.97	917.92	928.96
$\gamma$ 8.0	944.04	935.94	891.11	899.40
$\gamma$ 9.0	914.66	907.69	865.37	872.32
$\gamma$ 10.0	887.19	878.85	838.65	844.57
$\gamma$ 11.0	860.73	850.74	814.03	817.05
$\gamma$ 12.0	834.19	823.32	788.75	790.64
$\gamma$ 13.0	808.45	798.42	764.40	764.13
$\gamma$ 14.0	783.41	771.65	739.76	738.06
$\gamma$ 15.0	758.49	747.25	714.22	713.38
$\gamma$ 16.0	734.75	722.31	689.34	690.67
$\gamma$ 17.0	710.49	699.41	665.00	668.03
$\gamma$ 18.0	687.15	676.16	640.67	643.89
$\gamma$ 19.0	663.74	653.33	617.12	620.09
$\gamma$ 20.0	639.30	629.34	593.14	596.87
$\gamma$ 21.0	615.03	606.45	570.61	573.96
$\gamma$ 22.0	591.37	583.33	549.01	550.52
$\gamma$ 23.0	568.59	561.27	528.70	529.02
$\gamma$ 24.0	546.24	539.82	508.57	508.25
$\gamma$ 25.0	525.21	519.19	488.93	487.52
$\gamma$ 26.0	505.42	498.77	470.18	467.60
$\gamma$ 27.0	485.88	478.85	451.84	448.87
$\gamma$ 28.0	466.75	459.32	433.09	430.10
$\gamma$ 29.0	448.76	440.67	414.79	412.50
$\gamma$ 30.0	430.45	421.54	397.40	394.60
$\gamma$ 31.0	412.37	403.14	381.32	377.26
$\gamma$ 32.0	395.46	385.20	362.91	360.84
$\gamma$ 33.0	378.54	368.03	345.75	344.75
$\gamma$ 34.0	361.92	350.77	329.71	328.35
$\gamma$ 35.0	345.78	334.69	313.49	312.65
$\gamma$ 36.0	329.70	318.62	297.76	297.70
$\gamma$ 37.0	314.16	303.78	282.08	283.21
$\gamma$ 38.0	299.36	289.13	267.78	269.42
$\gamma$ 39.0	284.89	274.62	253.24	256.25
$\gamma$ 40.0	270.22	260.29	238.46	243.82
$\gamma$ 41.0	256.36	246.08	225.15	231.60
$\gamma$ 42.0	242.92	231.46	211.27	218.70
$\gamma$ 43.0	229.87	217.11	198.02	205.94
$\gamma$ 44.0	216.70	202.41	184.71	192.39
$\gamma$ 45.0	203.46	187.76	171.34	179.10
$\gamma$ 46.0	189.89	172.58	158.35	165.77

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# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	176.71	157.71	144.86	152.38
γ 48.0	163.07	142.56	131.40	138.61
γ 49.0	149.32	128.04	118.16	125.05
γ 50.0	135.16	114.09	105.21	111.76
γ 51.0	121.49	100.77	92.73	98.87
γ 52.0	108.03	88.23	80.48	86.38
γ 53.0	94.85	76.97	68.82	74.42
γ 54.0	82.19	66.61	57.97	62.92
γ 55.0	70.13	57.30	47.95	52.13
γ 56.0	59.13	48.99	39.34	42.62
γ 57.0	49.26	41.83	32.27	34.80
γ 58.0	40.83	35.43	26.59	28.83
γ 59.0	33.97	30.11	22.19	24.51
γ 60.0	28.61	25.60	18.85	21.27
γ 61.0	24.54	21.89	16.29	18.80
γ 62.0	21.43	18.91	14.31	16.82
γ 63.0	19.06	16.49	12.75	15.19
γ 64.0	17.12	14.50	11.44	13.77
γ 65.0	15.50	12.93	10.38	12.54
γ 66.0	14.12	11.63	9.45	11.45
γ 67.0	12.95	10.56	8.65	10.52
γ 68.0	11.93	9.63	7.97	9.69
γ 69.0	11.04	8.85	7.36	8.98
γ 70.0	10.18	8.14	6.82	8.34
γ 71.0	9.51	7.51	6.34	7.78
γ 72.0	8.86	6.93	5.90	7.25
γ 73.0	8.27	6.43	5.51	6.76
γ 74.0	7.71	5.94	5.13	6.30
γ 75.0	7.20	5.50	4.79	5.87
γ 76.0	6.72	5.06	4.44	5.48
γ 77.0	6.26	4.64	4.11	5.09
γ 78.0	5.83	4.22	3.79	4.73
γ 79.0	5.39	3.83	3.49	4.34
γ 80.0	4.97	3.44	3.21	4.02
γ 81.0	4.60	3.12	2.92	3.70
γ 82.0	4.21	2.77	2.62	3.38
γ 83.0	3.84	2.42	2.34	3.03
γ 84.0	3.45	2.08	2.10	2.71
γ 85.0	3.14	1.75	1.85	2.44
γ 86.0	2.85	1.48	1.57	2.19
γ 87.0	2.51	1.24	1.26	1.92
γ 88.0	2.18	0.98	0.95	1.63
γ 89.0	1.82	0.71	0.61	1.35
γ 90.0	1.44	0.42	0.48	1.15
γ 91.0	1.11	0.23	0.40	1.04
γ 92.0	0.99	0.15	0.31	0.93
γ 93.0	0.88	0.07	0.24	0.84

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# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	0.78	0.00	0.18	0.75
γ 95.0	0.69	0.00	0.12	0.66
γ 96.0	0.59	0.00	0.05	0.58
γ 97.0	0.51	0.00	0.00	0.51
γ 98.0	0.44	0.00	0.00	0.44
γ 99.0	0.37	0.00	0.00	0.39
γ 100.0	0.31	0.00	0.00	0.34
γ 101.0	0.24	0.00	0.00	0.28
γ 102.0	0.20	0.00	0.00	0.23
γ 103.0	0.15	0.00	0.00	0.20
γ 104.0	0.10	0.00	0.00	0.16
γ 105.0	0.07	0.00	0.00	0.14
γ 106.0	0.04	0.00	0.00	0.11
γ 107.0	0.01	0.00	0.00	0.09
γ 108.0	0.00	0.00	0.00	0.07
γ 109.0	0.00	0.00	0.00	0.06
γ 110.0	0.00	0.00	0.00	0.05
γ 111.0	0.00	0.00	0.00	0.05
γ 112.0	0.00	0.00	0.00	0.06
γ 113.0	0.00	0.00	0.00	0.06
γ 114.0	0.00	0.00	0.00	0.07
γ 115.0	0.00	0.00	0.00	0.09
γ 116.0	0.00	0.00	0.00	0.11
γ 117.0	0.00	0.00	0.00	0.13
γ 118.0	0.00	0.00	0.00	0.15
γ 119.0	0.01	0.00	0.00	0.19
γ 120.0	0.03	0.00	0.02	0.23
γ 121.0	0.06	0.00	0.08	0.26
γ 122.0	0.09	0.00	0.13	0.30
γ 123.0	0.13	0.00	0.18	0.34
γ 124.0	0.17	0.00	0.22	0.39
γ 125.0	0.21	0.00	0.30	0.43
γ 126.0	0.25	0.00	0.36	0.49
γ 127.0	0.31	0.01	0.43	0.55
γ 128.0	0.36	0.08	0.49	0.61
γ 129.0	0.42	0.15	0.56	0.67
γ 130.0	0.47	0.22	0.65	0.73
γ 131.0	0.55	0.28	0.72	0.81
γ 132.0	0.61	0.37	0.80	0.88
γ 133.0	0.69	0.44	0.88	0.95
γ 134.0	0.75	0.51	0.96	1.02
γ 135.0	0.83	0.59	1.04	1.11
γ 136.0	0.90	0.67	1.13	1.17
γ 137.0	0.98	0.76	1.22	1.26
γ 138.0	1.06	0.85	1.30	1.34
γ 139.0	1.14	0.93	1.39	1.42
γ 140.0	1.21	1.03	1.47	1.50

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# IES Indoor Report

Photometric Filename:DL44-13-C5-03 RA80 2700K 40D.IES

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## Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	1.31	1.11	1.56	1.58
γ 142.0	1.38	1.19	1.66	1.67
γ 143.0	1.47	1.29	1.75	1.76
γ 144.0	1.55	1.38	1.85	1.84
γ 145.0	1.65	1.47	1.93	1.92
γ 146.0	1.73	1.57	2.02	2.01
γ 147.0	1.82	1.66	2.12	2.09
γ 148.0	1.91	1.76	2.20	2.17
γ 149.0	2.00	1.83	2.29	2.25
γ 150.0	2.09	1.93	2.39	2.34
γ 151.0	2.17	2.02	2.46	2.42
γ 152.0	2.26	2.11	2.55	2.50
γ 153.0	2.35	2.20	2.64	2.57
γ 154.0	2.42	2.28	2.72	2.65
γ 155.0	2.50	2.36	2.80	2.74
γ 156.0	2.59	2.45	2.89	2.81
γ 157.0	2.68	2.53	2.95	2.88
γ 158.0	2.74	2.60	3.04	2.95
γ 159.0	2.83	2.68	3.11	3.02
γ 160.0	2.91	2.76	3.18	3.08
γ 161.0	2.98	2.85	3.24	3.15
γ 162.0	3.04	2.91	3.30	3.22
γ 163.0	3.12	2.98	3.36	3.27
γ 164.0	3.18	3.05	3.42	3.33
γ 165.0	3.25	3.12	3.47	3.38
γ 166.0	3.31	3.19	3.53	3.43
γ 167.0	3.36	3.25	3.56	3.48
γ 168.0	3.41	3.31	3.62	3.52
γ 169.0	3.48	3.37	3.66	3.57
γ 170.0	3.52	3.42	3.70	3.60
γ 171.0	3.57	3.46	3.73	3.64
γ 172.0	3.61	3.52	3.77	3.68
γ 173.0	3.66	3.56	3.79	3.71
γ 174.0	3.69	3.60	3.82	3.74
γ 175.0	3.72	3.63	3.82	3.77
γ 176.0	3.75	3.65	3.85	3.79
γ 177.0	3.77	3.70	3.85	3.81
γ 178.0	3.79	3.71	3.86	3.82
γ 179.0	3.81	3.74	3.86	3.84
γ 180.0	3.83	3.83	3.83	3.83

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