

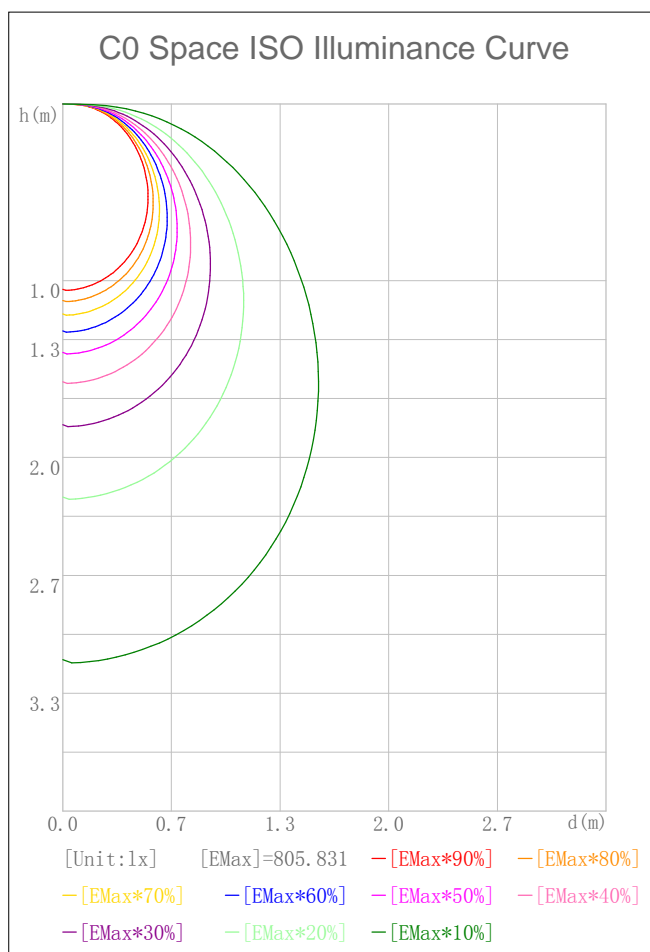
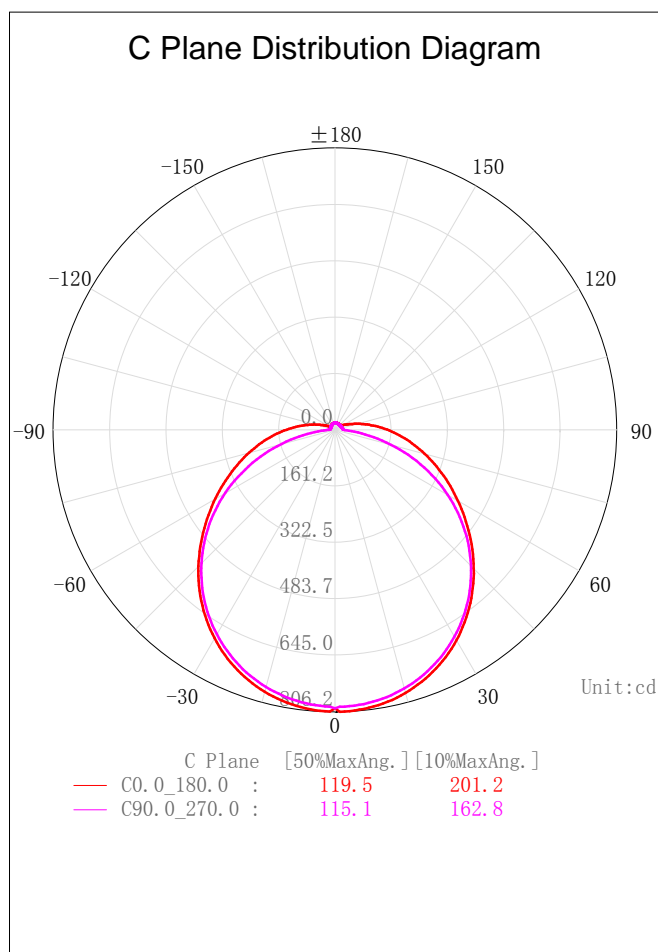
**Indoor Luminaire Photometric Data**

**Description Information**

Luminary Name: 40W 3000K		Lum. Catalog:	Test ID: 001
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/04/12
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Volnic IES	Frequency (Hz):		Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.075m*1.200m*0.000m		Lum. Area (m2): 0.090	Lum. W (kg): 0.500
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

**Character Parameter**

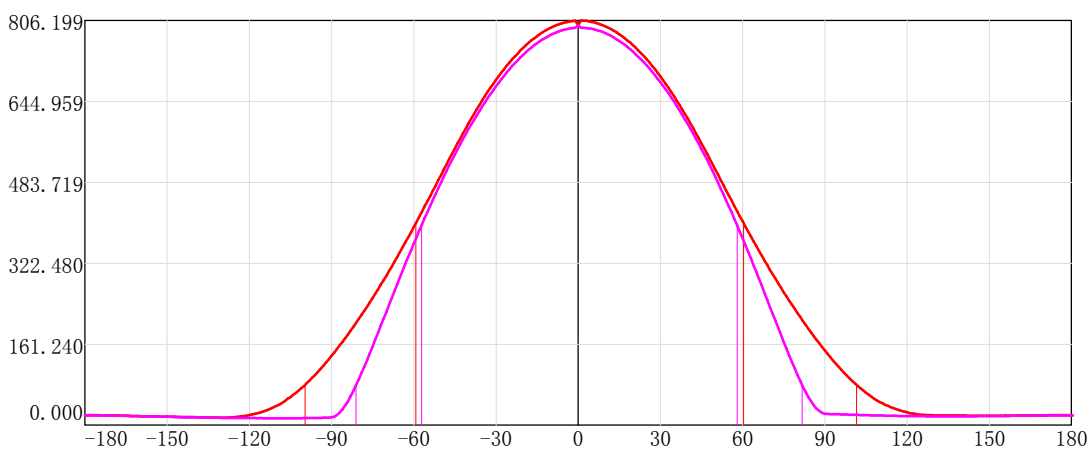
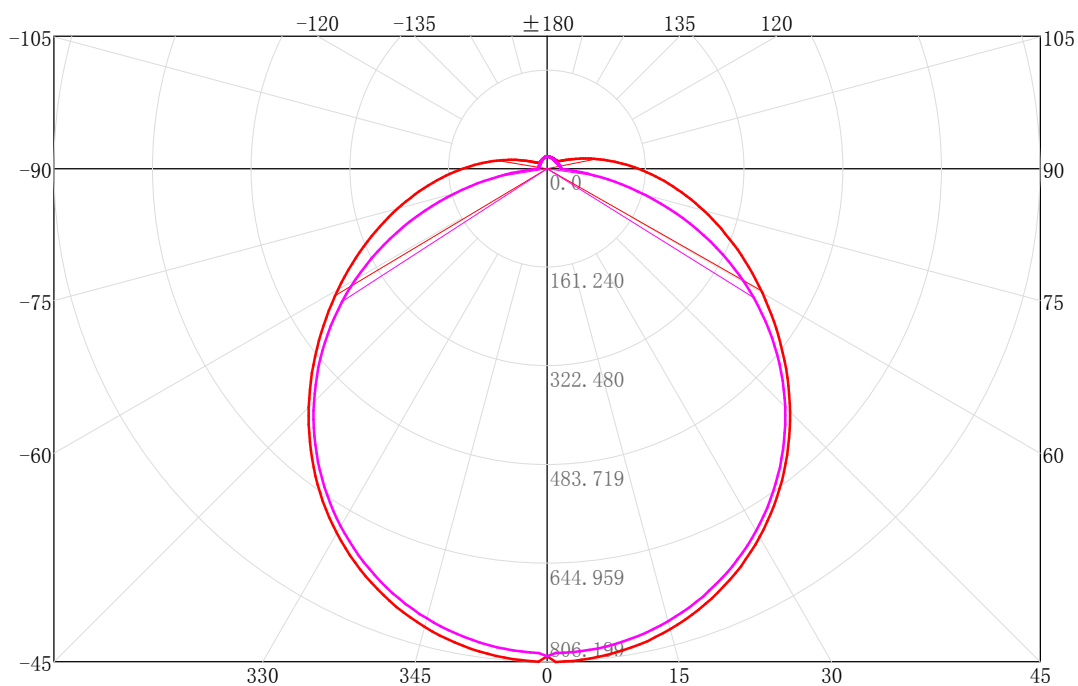
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 2704.150	Luminary Flux(lm): 2704.154	Field Angle(10%Imax): 201.2(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2515.733lm 93.03%	
Rated Voltage(V):	Luminary EER(lm/W): 68.790	Up Lumens&Percent: 188.421lm 6.97%	
Tested Power(W): 39.310	Max. Candela(cd): 806.199	S/MH: C0_a180=1.287 C90_270=1.268	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 240.1, 0.174, 0.940	Beam Angle(50%Imax): 119.5(°)	ErP Φuse(120°): 1835.907lm	
Lamp Size (W*L*H): 0.075m*1.200m*0.000m	Left=-59.1°, Right=60.3°	IRF (%): 107.830	



### 2D Plane Light Intensity Distribution Curve

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

C Plane Distribution Diagram

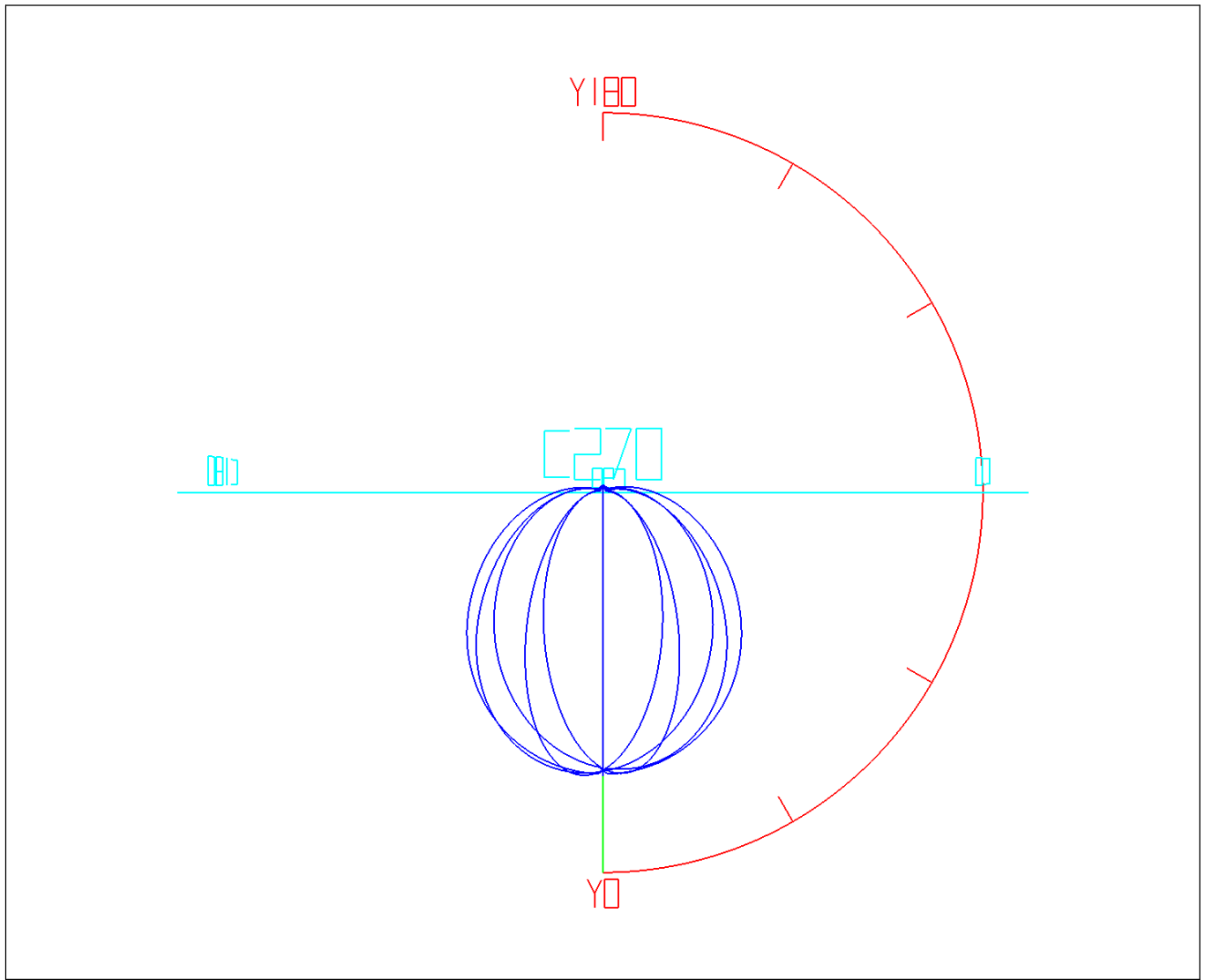


	C Plane	[50%MaxAng. ]	[10%MaxAng. ]	Unit:cd
—	C0_0_180.0 :	119.5	201.2	
—	C90_0_270.0 :	115.1	162.8	

### 3D Light Intensity Distribution Modal

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

### 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:40W 3000K.IES**

**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	0.76	0.76	0.03	0.03	47.0-48.0	42.11	1361.78	1.56	50.36
1.0-2.0	2.28	3.04	0.08	0.11	48.0-49.0	41.90	1403.68	1.55	51.91
2.0-3.0	3.80	6.84	0.14	0.25	49.0-50.0	41.63	1445.31	1.54	53.45
3.0-4.0	5.31	12.15	0.20	0.45	50.0-51.0	41.31	1486.62	1.53	54.98
4.0-5.0	6.82	18.97	0.25	0.70	51.0-52.0	40.94	1527.56	1.51	56.49
5.0-6.0	8.31	27.28	0.31	1.01	52.0-53.0	40.52	1568.08	1.50	57.99
6.0-7.0	9.80	37.08	0.36	1.37	53.0-54.0	40.06	1608.15	1.48	59.47
7.0-8.0	11.27	48.36	0.42	1.79	54.0-55.0	39.56	1647.71	1.46	60.93
8.0-9.0	12.73	61.09	0.47	2.26	55.0-56.0	39.02	1686.73	1.44	62.38
9.0-10.0	14.18	75.27	0.52	2.78	56.0-57.0	38.42	1725.15	1.42	63.80
10.0-11.0	15.60	90.87	0.58	3.36	57.0-58.0	37.79	1762.93	1.40	65.19
11.0-12.0	17.01	107.88	0.63	3.99	58.0-59.0	37.12	1800.05	1.37	66.57
12.0-13.0	18.39	126.27	0.68	4.67	59.0-60.0	36.42	1836.47	1.35	67.91
13.0-14.0	19.75	146.02	0.73	5.40	60.0-61.0	35.69	1872.16	1.32	69.23
14.0-15.0	21.09	167.11	0.78	6.18	61.0-62.0	34.92	1907.08	1.29	70.52
15.0-16.0	22.39	189.50	0.83	7.01	62.0-63.0	34.12	1941.19	1.26	71.79
16.0-17.0	23.67	213.18	0.88	7.88	63.0-64.0	33.29	1974.48	1.23	73.02
17.0-18.0	24.92	238.10	0.92	8.80	64.0-65.0	32.43	2006.91	1.20	74.22
18.0-19.0	26.14	264.24	0.97	9.77	65.0-66.0	31.55	2038.46	1.17	75.38
19.0-20.0	27.32	291.56	1.01	10.78	66.0-67.0	30.66	2069.13	1.13	76.52
20.0-21.0	28.47	320.04	1.05	11.84	67.0-68.0	29.74	2098.87	1.10	77.62
21.0-22.0	29.58	349.62	1.09	12.93	68.0-69.0	28.81	2127.67	1.07	78.68
22.0-23.0	30.66	380.28	1.13	14.06	69.0-70.0	27.85	2155.53	1.03	79.71
23.0-24.0	31.69	411.97	1.17	15.23	70.0-71.0	26.89	2182.42	0.99	80.71
24.0-25.0	32.69	444.66	1.21	16.44	71.0-72.0	25.93	2208.35	0.96	81.67
25.0-26.0	33.65	478.31	1.24	17.69	72.0-73.0	24.96	2233.31	0.92	82.59
26.0-27.0	34.55	512.86	1.28	18.97	73.0-74.0	23.99	2257.30	0.89	83.48
27.0-28.0	35.42	548.28	1.31	20.28	74.0-75.0	23.01	2280.31	0.85	84.33
28.0-29.0	36.23	584.51	1.34	21.62	75.0-76.0	22.03	2302.33	0.81	85.14
29.0-30.0	37.01	621.52	1.37	22.98	76.0-77.0	21.05	2323.39	0.78	85.92
30.0-31.0	37.73	659.25	1.40	24.38	77.0-78.0	20.09	2343.48	0.74	86.66
31.0-32.0	38.41	697.66	1.42	25.80	78.0-79.0	19.14	2362.62	0.71	87.37
32.0-33.0	39.04	736.70	1.44	27.24	79.0-80.0	18.20	2380.82	0.67	88.04
33.0-34.0	39.61	776.31	1.46	28.71	80.0-81.0	17.27	2398.08	0.64	88.68
34.0-35.0	40.13	816.44	1.48	30.19	81.0-82.0	16.35	2414.43	0.60	89.29
35.0-36.0	40.61	857.05	1.50	31.69	82.0-83.0	15.46	2429.89	0.57	89.86
36.0-37.0	41.03	898.07	1.52	33.21	83.0-84.0	14.59	2444.48	0.54	90.40
37.0-38.0	41.39	939.46	1.53	34.74	84.0-85.0	13.76	2458.23	0.51	90.91
38.0-39.0	41.71	981.17	1.54	36.28	85.0-86.0	12.95	2471.18	0.48	91.38
39.0-40.0	41.96	1023.13	1.55	37.84	86.0-87.0	12.18	2483.37	0.45	91.84
40.0-41.0	42.17	1065.30	1.56	39.40	87.0-88.0	11.46	2494.82	0.42	92.26
41.0-42.0	42.32	1107.63	1.57	40.96	88.0-89.0	10.77	2505.60	0.40	92.66
42.0-43.0	42.42	1150.05	1.57	42.53	89.0-90.0	10.14	2515.73	0.37	93.03
43.0-44.0	42.47	1192.53	1.57	44.10	90.0-91.0	9.55	2525.28	0.35	93.39
44.0-45.0	42.46	1234.99	1.57	45.67	91.0-92.0	8.99	2534.27	0.33	93.72
45.0-46.0	42.40	1277.39	1.57	47.24	92.0-93.0	8.45	2542.73	0.31	94.03
46.0-47.0	42.28	1319.67	1.56	48.80	93.0-94.0	7.93	2550.66	0.29	94.32

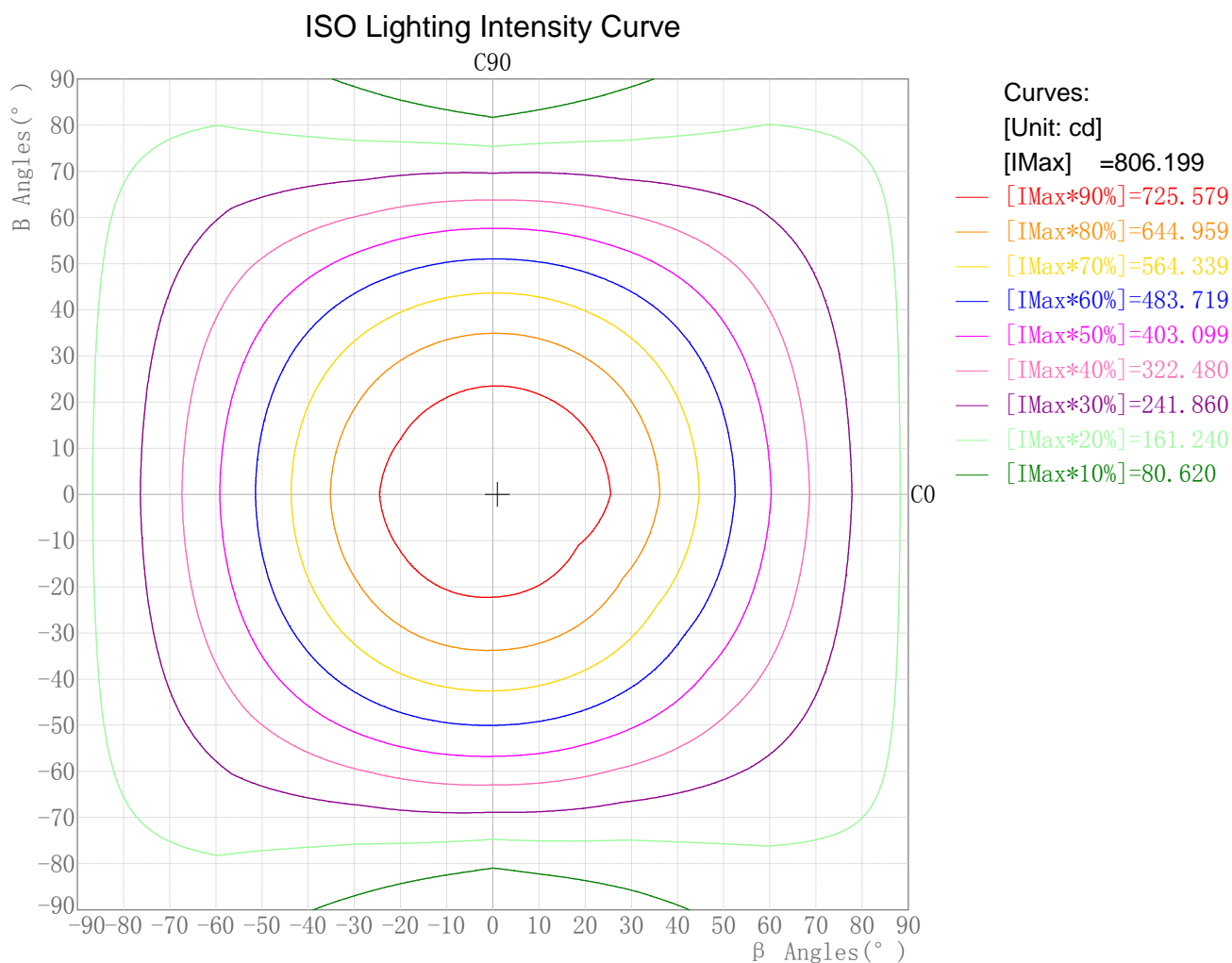
**IES Indoor Report**  
**Photometric Filename:40W 3000K.IES**

**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	7.44	2558.10	0.28	94.60	141.0-142.0	1.19	2679.65	0.04	99.09
95.0-96.0	6.97	2565.08	0.26	94.86	142.0-143.0	1.17	2680.82	0.04	99.14
96.0-97.0	6.53	2571.61	0.24	95.10	143.0-144.0	1.14	2681.96	0.04	99.18
97.0-98.0	6.12	2577.73	0.23	95.32	144.0-145.0	1.12	2683.08	0.04	99.22
98.0-99.0	5.73	2583.45	0.21	95.54	145.0-146.0	1.10	2684.18	0.04	99.26
99.0-100.0	5.36	2588.81	0.20	95.73	146.0-147.0	1.07	2685.26	0.04	99.30
100.0-101.0	5.01	2593.82	0.19	95.92	147.0-148.0	1.05	2686.31	0.04	99.34
101.0-102.0	4.69	2598.51	0.17	96.09	148.0-149.0	1.03	2687.33	0.04	99.38
102.0-103.0	4.39	2602.90	0.16	96.26	149.0-150.0	1.00	2688.33	0.04	99.42
103.0-104.0	4.11	2607.01	0.15	96.41	150.0-151.0	0.97	2689.31	0.04	99.45
104.0-105.0	3.85	2610.86	0.14	96.55	151.0-152.0	0.95	2690.25	0.04	99.49
105.0-106.0	3.59	2614.45	0.13	96.68	152.0-153.0	0.92	2691.17	0.03	99.52
106.0-107.0	3.35	2617.79	0.12	96.81	153.0-154.0	0.89	2692.07	0.03	99.55
107.0-108.0	3.13	2620.93	0.12	96.92	154.0-155.0	0.87	2692.93	0.03	99.59
108.0-109.0	2.95	2623.88	0.11	97.03	155.0-156.0	0.84	2693.77	0.03	99.62
109.0-110.0	2.80	2626.68	0.10	97.14	156.0-157.0	0.81	2694.59	0.03	99.65
110.0-111.0	2.64	2629.32	0.10	97.23	157.0-158.0	0.78	2695.37	0.03	99.68
111.0-112.0	2.51	2631.83	0.09	97.33	158.0-159.0	0.75	2696.12	0.03	99.70
112.0-113.0	2.39	2634.21	0.09	97.41	159.0-160.0	0.72	2696.84	0.03	99.73
113.0-114.0	2.27	2636.49	0.08	97.50	160.0-161.0	0.69	2697.53	0.03	99.76
114.0-115.0	2.17	2638.66	0.08	97.58	161.0-162.0	0.66	2698.19	0.02	99.78
115.0-116.0	2.08	2640.74	0.08	97.65	162.0-163.0	0.63	2698.82	0.02	99.80
116.0-117.0	2.00	2642.73	0.07	97.73	163.0-164.0	0.60	2699.41	0.02	99.82
117.0-118.0	1.92	2644.66	0.07	97.80	164.0-165.0	0.56	2699.98	0.02	99.85
118.0-119.0	1.85	2646.51	0.07	97.87	165.0-166.0	0.53	2700.50	0.02	99.87
119.0-120.0	1.79	2648.30	0.07	97.93	166.0-167.0	0.49	2701.00	0.02	99.88
120.0-121.0	1.74	2650.04	0.06	98.00	167.0-168.0	0.46	2701.46	0.02	99.90
121.0-122.0	1.69	2651.73	0.06	98.06	168.0-169.0	0.42	2701.88	0.02	99.92
122.0-123.0	1.64	2653.37	0.06	98.12	169.0-170.0	0.39	2702.27	0.01	99.93
123.0-124.0	1.60	2654.97	0.06	98.18	170.0-171.0	0.35	2702.63	0.01	99.94
124.0-125.0	1.57	2656.54	0.06	98.24	171.0-172.0	0.32	2702.94	0.01	99.96
125.0-126.0	1.54	2658.08	0.06	98.30	172.0-173.0	0.28	2703.23	0.01	99.97
126.0-127.0	1.51	2659.59	0.06	98.35	173.0-174.0	0.24	2703.47	0.01	99.97
127.0-128.0	1.48	2661.07	0.05	98.41	174.0-175.0	0.21	2703.68	0.01	99.98
128.0-129.0	1.46	2662.53	0.05	98.46	175.0-176.0	0.17	2703.85	0.01	99.99
129.0-130.0	1.44	2663.97	0.05	98.51	176.0-177.0	0.13	2703.98	0.00	99.99
130.0-131.0	1.42	2665.39	0.05	98.57	177.0-178.0	0.10	2704.08	0.00	100.00
131.0-132.0	1.40	2666.79	0.05	98.62	178.0-179.0	0.06	2704.13	0.00	100.00
132.0-133.0	1.38	2668.17	0.05	98.67	179.0-180.0	0.02	2704.15	0.00	100.00
133.0-134.0	1.36	2669.53	0.05	98.72					
134.0-135.0	1.34	2670.87	0.05	98.77					
135.0-136.0	1.32	2672.19	0.05	98.82					
136.0-137.0	1.30	2673.49	0.05	98.87					
137.0-138.0	1.27	2674.76	0.05	98.91					
138.0-139.0	1.25	2676.01	0.05	98.96					
139.0-140.0	1.23	2677.25	0.05	99.01					
140.0-141.0	1.21	2678.46	0.04	99.05					

**Rectangle ISO Lighting Intensity Diagram**

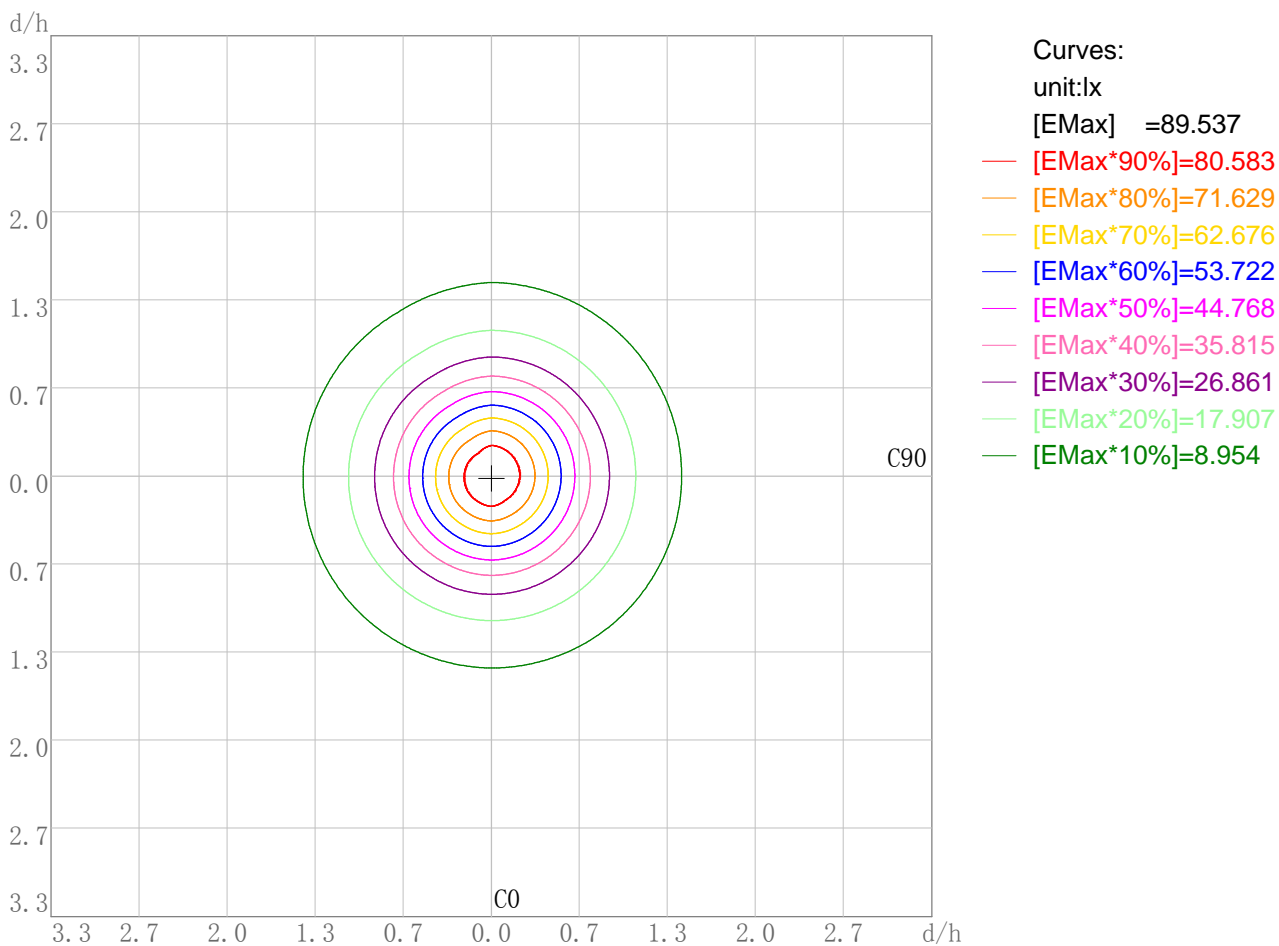
Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12



**Plane ISO-Illuminance Diagram**

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

Plane ISO-Illuminance Curve



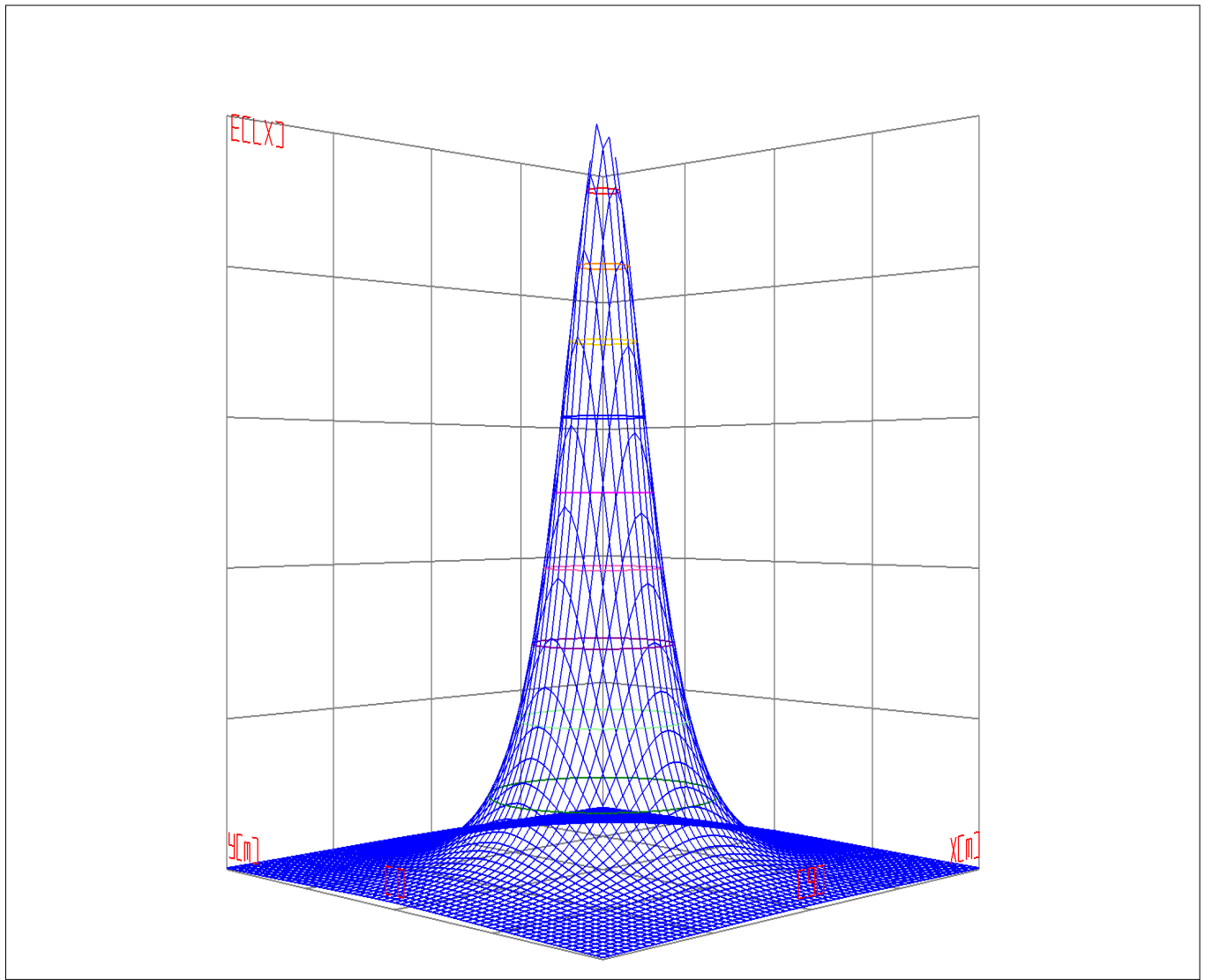
Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 89.54  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

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### 3D Plane ISO Illuminance Diagram

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

### 3D Plane Illuminance Modal



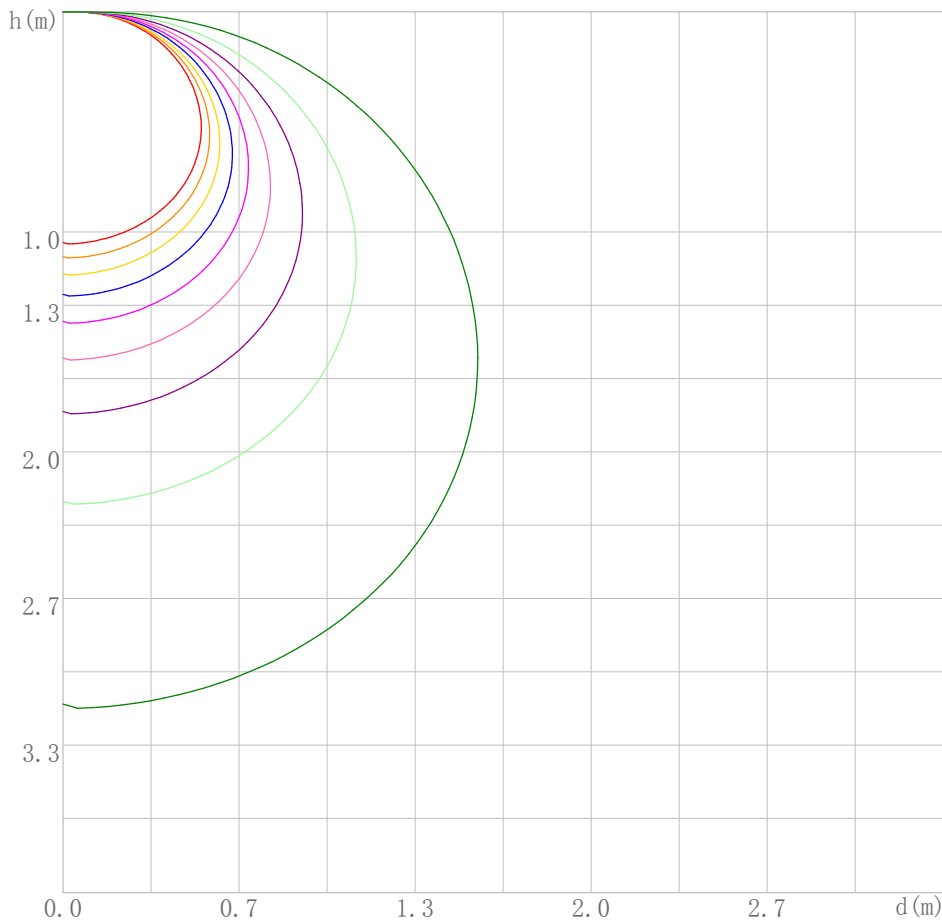
Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —  
View Angles(deg): 0    Height(m): 3.0    Distance(m): 10.0



### Space ISO Illuminance Diagram

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

Space ISO Illuminance Curve



- Curves:  
 [Unit: lx]  
 [EMax] =805.831
- [EMax\*90%]=725.248
  - [EMax\*80%]=644.665
  - [EMax\*70%]=564.081
  - [EMax\*60%]=483.498
  - [EMax\*50%]=402.915
  - [EMax\*40%]=322.332
  - [EMax\*30%]=241.749
  - [EMax\*20%]=161.166
  - [EMax\*10%]=80.583

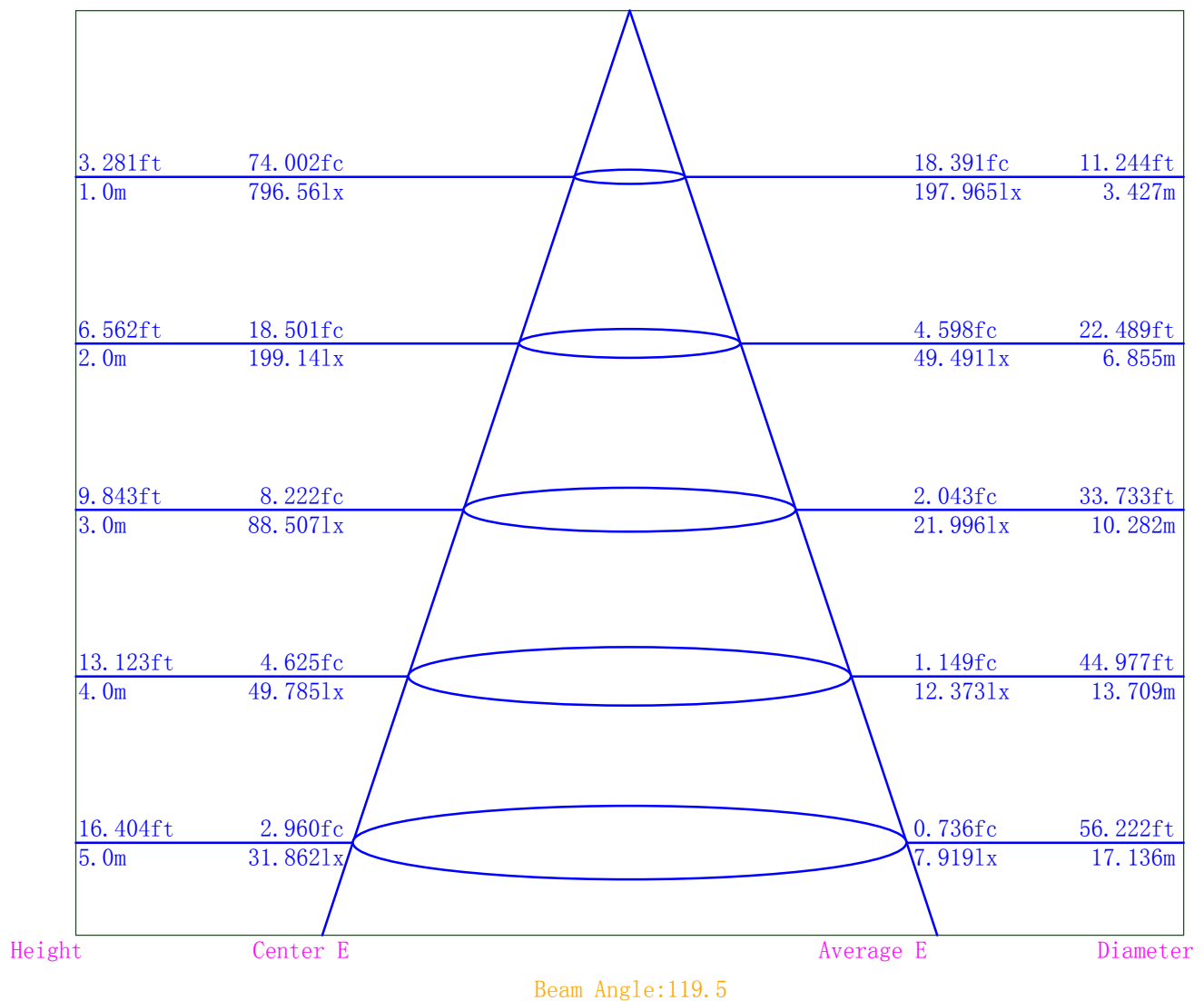
Space Plane Maximum Illuminance and @Angle:805.83lx,1.0deg  
 Plane Maximum Lighting Intensity and @Angle:806.199cd,0deg

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**Illuminance-Distance Diagram**

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

Illuminance-Distance Curve



**Indoor Luminance Limiting Curves**

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

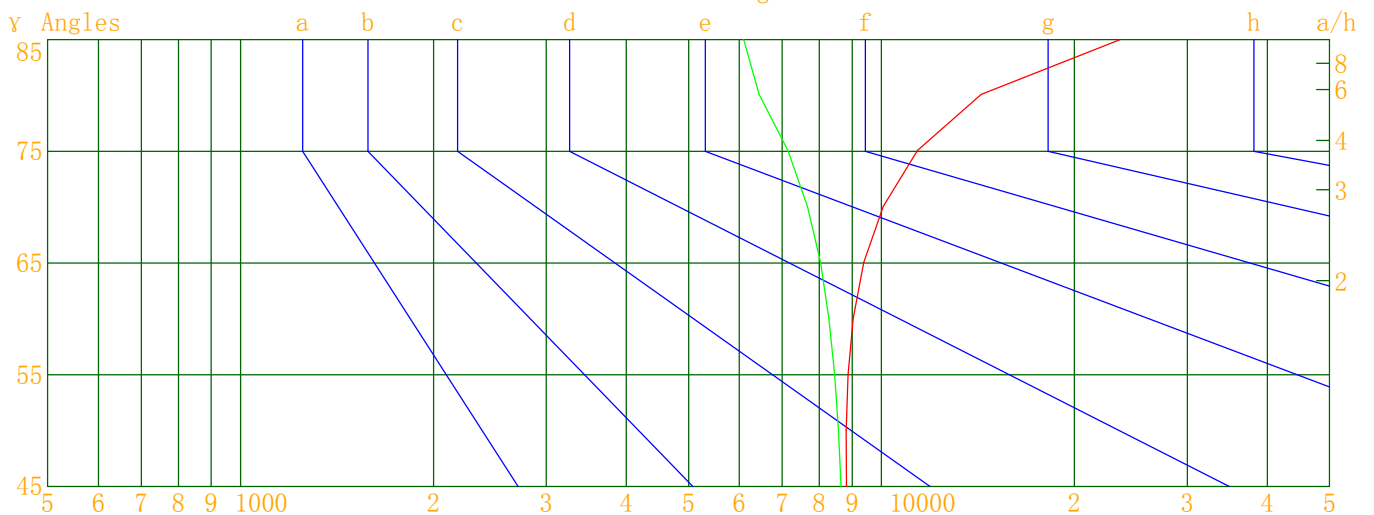
Glare Grade Table

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	8819	8813	8866	9030	9383	10063	11390	14313	23575
C90	8645	8566	8449	8280	8032	7667	7146	6444	6095

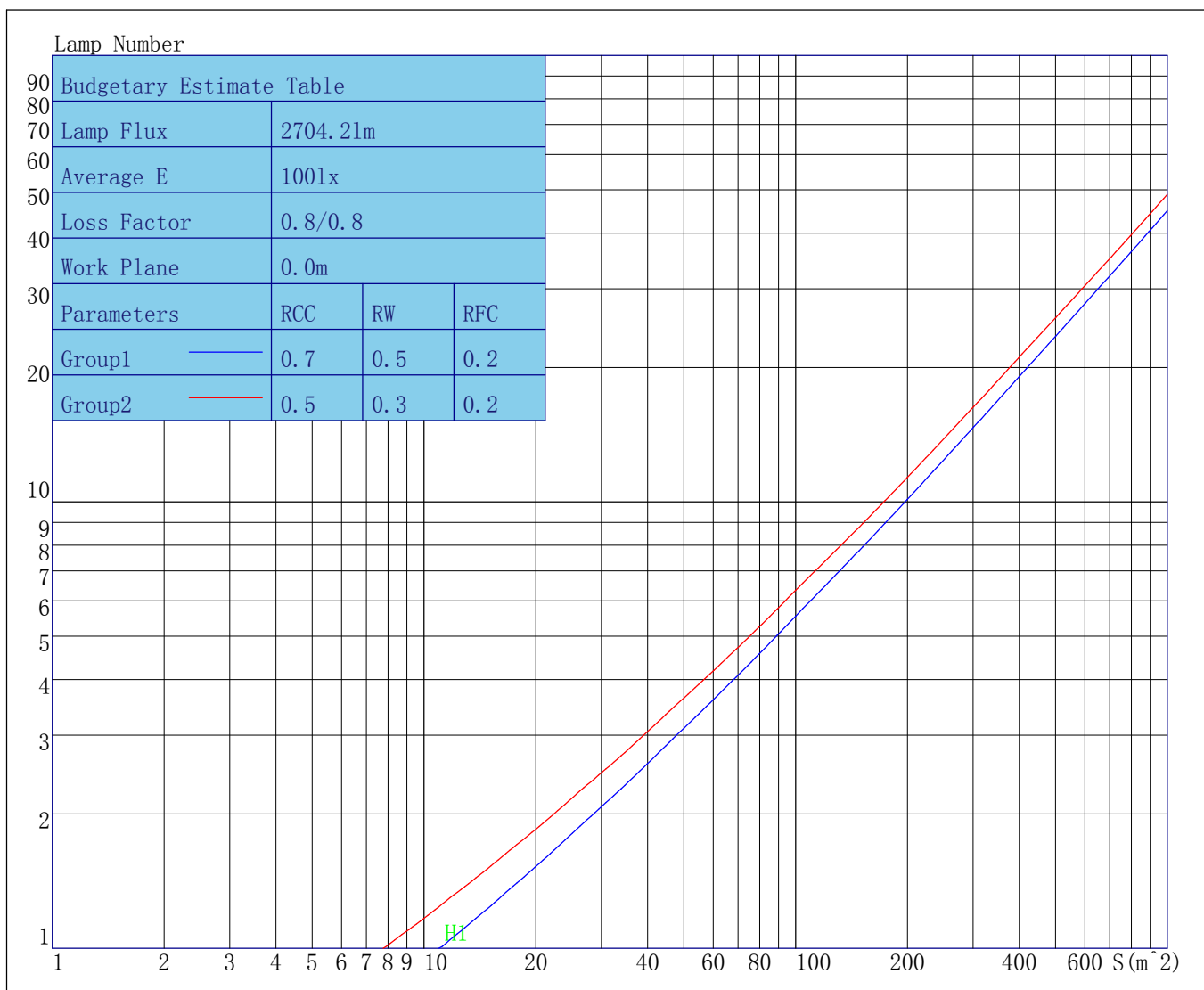
Luminance Limiting Curve



Luminous Size: Length(m)=1.200 Width(m)=0.075 Height(m)=0.000 Area(m^2)=0.090000  
 Luminous Type: Without Luminous Side  
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

**Indoor Budgetary Estimate Table**

Lum. Name: 40W 3000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12



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

**Indoor Coefficient of Utilization Table**

<b>Lum. Name:</b> 40W 3000K	<b>Lum. Catalog:</b>	<b>Test ID:</b> 001
<b>Lamp Name:</b>	<b>Lamp Catalog:</b> LED	<b>Test Lab:</b> Volnic IES
<b>Manufacture:</b>	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2019/04/12

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	50	30	10	0
RCR	Coefficient of Utilization(%)																				
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93			
1	106	100	95	91	102	97	93	89	92	88	85	86	83	81	82	79	77	74			
2	95	86	79	73	92	84	77	71	79	74	69	75	70	66	71	67	64	61			
3	87	75	67	60	84	73	65	59	69	63	57	66	60	55	62	57	53	51			
4	79	67	57	50	76	65	56	50	61	54	48	58	52	47	55	50	45	43			
5	73	59	50	43	70	58	49	43	55	47	41	52	46	40	50	44	39	37			
6	67	53	44	38	65	52	43	37	49	42	36	47	40	35	45	39	34	32			
7	62	48	39	33	60	47	39	33	45	37	32	43	36	31	41	35	30	28			
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	38	32	27	25			
9	54	40	32	26	52	39	31	26	38	31	26	36	30	25	35	29	25	23			
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20			

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**IES Indoor Report**  
**Photometric Filename:40W 3000K.IES**

**Unified Glare Rating Table**

<b>Lum. Name:</b> 40W 3000K	<b>Lum. Catalog:</b>	<b>Test ID:</b> 001
<b>Lamp Name:</b>	<b>Lamp Catalog:</b> LED	<b>Test Lab:</b> Volnic IES
<b>Manufacture:</b>	<b>Test Machine:</b> GON-2000	<b>Test Date:</b> 2019/04/12

**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	19.4	20.9	19.9	21.4	21.9	19.2	20.7	19.6	21.2	21.6
Y=3H	21.6	23.0	22.1	23.4	24.0	20.9	22.3	21.4	22.7	23.3
Y=4H	22.7	24.0	23.2	24.5	25.1	21.6	22.9	22.1	23.4	23.9
Y=6H	23.9	25.2	24.5	25.7	26.2	22.1	23.4	22.6	23.9	24.4
Y=8H	24.6	25.8	25.1	26.3	26.9	22.3	23.5	22.8	24.0	24.6
Y=12H	25.4	26.5	25.9	27.0	27.6	22.5	23.6	23.0	24.1	24.7
X=4H Y=2H	20.2	21.5	20.7	22.0	22.5	20.0	21.3	20.5	21.8	22.4
Y=3H	22.5	23.7	23.1	24.2	24.8	21.9	23.1	22.5	23.6	24.1
Y=4H	23.8	24.9	24.4	25.4	26.0	22.8	23.8	23.3	24.4	25.0
Y=6H	25.3	26.2	25.8	26.7	27.3	23.5	24.4	24.1	25.0	25.6
Y=8H	26.0	26.9	26.6	27.5	28.1	23.8	24.6	24.3	25.2	25.8
Y=12H	26.9	27.7	27.5	28.3	28.9	24.0	24.8	24.6	25.4	26.0
X=8H Y=4H	24.2	25.1	24.8	25.7	26.3	23.4	24.2	23.9	24.8	25.4
Y=6H	25.9	26.6	26.5	27.2	28.0	24.3	25.1	24.9	25.7	26.4
Y=8H	26.8	27.5	27.5	28.1	28.7	24.7	25.4	25.4	26.0	26.7
Y=12H	28.0	28.5	28.6	29.1	29.8	25.1	25.7	25.7	26.3	27.0
X=12H Y=4H	24.3	25.1	24.9	25.7	26.3	23.5	24.3	24.1	24.9	25.5
Y=6H	26.0	26.7	26.6	27.3	27.9	24.6	25.3	25.2	25.8	26.5
Y=8H	27.1	27.6	27.7	28.2	28.9	25.1	25.7	25.7	26.3	27.0
Variations with the objverver position at spacings										
S=1.0H	0.1/-0.1					0.4/-0.4				
S=1.5H	0.2/-0.2					0.6/-0.7				
S=2.0H	0.1/-0.2					0.7/-0.9				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	4.8					3.6				

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

**IES Indoor Report**  
**Photometric Filename:40W 3000K.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
Y 0.0	796.56	796.56	796.56	796.56	796.56	796.56	796.56	796.56	796.56	796.56	796.56	796.56
Y 1.0	806.20	799.02	794.62	791.79	789.88	788.47	805.72	798.47	794.51	791.54	789.62	788.03
Y 2.0	805.75	798.82	794.58	791.67	789.61	788.44	805.18	798.03	794.11	791.15	788.89	787.65
Y 3.0	805.51	798.09	794.00	791.21	789.10	788.01	804.25	797.20	793.38	790.14	788.40	786.64
Y 4.0	804.54	797.35	793.07	790.37	788.32	787.22	803.33	795.96	792.20	789.17	787.23	785.33
Y 5.0	803.30	796.40	792.02	789.49	787.23	786.34	801.91	794.38	791.10	787.80	785.91	784.08
Y 6.0	802.22	795.06	790.76	788.33	786.13	785.20	800.61	792.90	789.41	786.24	784.07	782.73
Y 7.0	800.51	793.61	789.19	786.74	784.46	783.76	798.76	791.34	787.56	784.43	782.51	780.50
Y 8.0	798.67	791.77	787.57	784.97	782.92	781.95	796.84	789.13	785.61	782.18	780.39	778.58
Y 9.0	796.70	789.74	785.18	783.05	780.79	780.08	794.34	786.63	783.34	779.87	778.05	776.05
Y 10.0	794.26	787.62	782.85	780.58	778.58	778.13	791.79	784.06	780.90	777.33	775.51	773.35
Y 11.0	791.77	784.91	780.48	778.08	775.97	775.45	788.72	781.29	777.83	774.52	772.41	770.50
Y 12.0	789.27	782.26	777.57	775.38	773.24	772.88	785.68	778.13	775.10	771.33	769.83	767.15
Y 13.0	785.72	779.14	774.73	772.14	770.36	770.08	782.59	774.93	771.71	768.34	766.27	763.91
Y 14.0	782.47	775.97	771.46	768.90	766.88	766.92	779.05	771.10	768.16	764.50	762.76	760.28
Y 15.0	778.89	772.45	767.66	765.46	763.22	763.19	775.04	767.34	764.38	760.69	758.93	756.44
Y 16.0	775.03	768.52	763.70	761.52	759.65	759.34	770.83	763.22	760.46	756.87	754.65	752.17
Y 17.0	770.77	764.52	759.76	757.66	755.69	755.34	766.45	758.97	755.94	752.32	750.47	748.09
Y 18.0	766.35	760.28	755.56	753.36	751.41	751.48	762.01	754.42	751.68	747.92	745.84	743.21
Y 19.0	762.09	755.82	750.72	748.78	746.84	747.03	757.27	749.42	746.82	742.96	740.99	738.23
Y 20.0	756.87	750.74	746.21	744.30	742.02	742.15	751.87	744.42	742.04	738.07	735.94	733.34
Y 21.0	751.85	745.73	741.07	738.84	737.19	737.29	746.62	739.12	736.56	732.86	730.65	727.91
Y 22.0	746.41	740.41	735.71	733.80	731.98	731.92	740.86	733.56	731.38	727.05	725.31	722.35
Y 23.0	740.68	735.07	730.21	728.21	726.26	726.54	735.04	727.69	725.44	721.31	719.48	716.72
Y 24.0	735.05	729.21	724.61	722.72	720.50	721.04	728.93	721.59	719.29	715.46	713.39	710.47
Y 25.0	728.89	723.22	718.86	716.71	714.80	715.25	722.87	715.49	713.34	709.33	707.39	704.34
Y 26.0	722.65	717.24	712.35	710.40	708.61	709.08	716.13	708.90	706.89	702.87	700.84	697.77
Y 27.0	715.94	710.45	705.85	703.96	702.16	702.48	709.37	702.18	700.41	695.97	694.14	690.97
Y 28.0	709.29	703.72	699.27	697.18	695.56	695.80	702.36	695.14	693.40	689.15	687.23	683.84
Y 29.0	702.27	696.69	692.16	690.39	688.72	688.81	695.02	688.09	685.96	682.08	679.92	676.78
Y 30.0	694.97	689.54	685.34	683.25	681.75	681.93	687.51	680.62	678.74	674.80	672.48	669.23
Y 31.0	687.51	682.43	677.87	676.00	674.21	674.71	679.92	673.18	671.12	667.28	665.10	661.68
Y 32.0	679.51	674.59	669.99	668.33	666.66	667.26	672.09	665.22	663.51	659.47	657.07	654.07
Y 33.0	671.58	666.97	662.17	660.63	658.93	659.41	664.00	657.11	655.61	651.51	649.21	645.76
Y 34.0	663.64	658.41	654.09	652.38	650.74	651.56	655.49	648.79	647.30	643.00	641.00	637.56
Y 35.0	655.02	650.18	645.97	644.18	642.70	643.32	646.72	640.39	638.82	634.62	632.27	629.00
Y 36.0	646.49	641.78	637.45	635.79	634.45	634.86	638.13	631.47	629.96	625.95	623.72	620.26
Y 37.0	637.84	633.08	628.79	627.01	625.35	626.37	629.00	622.65	621.28	617.13	614.70	611.41
Y 38.0	628.78	624.03	619.75	618.25	616.57	617.53	619.88	613.41	612.17	608.09	605.72	602.35
Y 39.0	619.70	614.75	610.72	608.93	607.49	608.36	610.51	604.22	602.83	598.78	596.52	593.14
Y 40.0	610.32	605.41	601.25	599.58	597.97	599.14	601.05	594.75	593.38	589.23	587.01	583.66
Y 41.0	600.75	596.21	591.60	590.20	588.67	589.63	591.09	585.14	583.62	579.74	577.03	574.16
Y 42.0	591.27	586.42	582.15	580.51	578.87	580.22	581.20	575.30	573.84	569.77	567.09	564.28
Y 43.0	581.29	576.67	572.10	570.61	569.18	570.50	571.32	565.57	563.79	559.88	557.08	554.47
Y 44.0	571.47	566.91	561.80	560.61	559.20	560.80	561.38	555.38	553.59	549.43	546.87	544.36
Y 45.0	561.25	556.24	551.56	550.18	548.84	550.54	551.19	544.93	543.15	538.88	536.41	534.26
Y 46.0	551.30	545.95	541.10	539.62	538.36	540.19	540.72	534.55	532.55	528.32	525.60	523.70

**IES Indoor Report**  
**Photometric Filename:40W 3000K.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
Y 47.0	541.05	535.65	530.50	528.71	527.83	529.81	530.06	523.81	521.64	517.48	514.98	513.19
Y 48.0	530.80	524.97	519.74	517.90	516.91	519.65	519.54	513.21	510.64	506.50	503.94	502.79
Y 49.0	520.33	514.44	508.80	506.80	506.10	508.93	509.16	502.55	499.51	495.34	492.80	492.03
Y 50.0	509.86	503.80	497.57	495.57	494.99	498.33	498.62	491.64	488.39	483.95	481.57	481.25
Y 51.0	499.35	492.82	486.16	483.88	483.52	487.40	488.05	480.79	477.03	472.45	470.02	470.50
Y 52.0	488.81	481.77	474.39	471.92	471.88	476.46	477.60	469.78	465.15	460.57	458.44	459.55
Y 53.0	478.43	470.93	462.77	460.21	460.52	465.68	466.93	458.89	453.33	448.94	446.56	448.74
Y 54.0	467.95	459.94	451.16	448.14	448.86	454.99	456.41	447.78	441.39	436.94	434.69	437.75
Y 55.0	457.68	448.92	439.02	436.14	436.79	443.93	445.93	436.92	429.53	424.76	422.67	426.87
Y 56.0	447.16	437.96	427.01	423.73	424.73	433.10	435.71	426.02	417.34	412.36	410.85	416.00
Y 57.0	436.52	426.75	414.73	411.04	412.25	422.32	425.16	415.10	405.05	399.78	398.36	405.03
Y 58.0	426.54	415.78	402.33	398.31	400.04	411.30	414.77	404.06	392.78	387.17	386.05	394.08
Y 59.0	416.44	404.90	390.06	385.73	387.78	400.57	404.61	393.49	380.28	374.26	373.56	383.30
Y 60.0	406.36	393.97	377.78	372.59	375.50	389.99	394.32	382.64	367.73	361.36	360.83	372.76
Y 61.0	396.23	383.31	365.18	359.50	362.95	379.54	384.49	372.21	355.26	348.28	348.39	362.25
Y 62.0	386.16	372.63	352.52	346.24	350.29	368.87	374.40	361.54	342.76	334.99	335.85	351.72
Y 63.0	376.25	362.07	339.99	332.72	337.57	358.55	364.71	351.27	330.15	321.72	323.23	341.39
Y 64.0	366.56	351.54	327.44	318.94	325.23	348.11	354.72	340.74	317.47	308.20	310.59	331.14
Y 65.0	356.89	341.29	314.76	305.51	312.67	338.05	344.94	330.52	304.63	294.58	297.89	320.87
Y 66.0	347.59	331.03	302.45	291.81	300.25	327.96	335.35	320.55	292.36	281.08	285.44	310.77
Y 67.0	337.93	320.96	289.95	278.04	287.91	318.01	325.78	310.53	280.07	267.30	273.02	301.10
Y 68.0	328.39	310.95	277.58	264.09	275.69	308.02	316.34	300.60	267.80	253.68	260.72	291.34
Y 69.0	319.08	300.88	265.18	250.03	263.49	298.19	307.12	290.91	255.82	239.80	248.65	281.50
Y 70.0	309.77	291.24	253.08	235.99	251.49	288.46	297.78	281.33	243.93	225.82	236.55	272.04
Y 71.0	300.86	281.62	241.50	221.91	239.97	278.98	288.75	271.65	232.12	211.96	224.72	262.65
Y 72.0	291.75	272.21	229.89	207.95	228.51	269.77	279.69	262.49	220.62	198.14	213.14	253.45
Y 73.0	282.90	262.96	218.46	194.15	217.30	260.51	270.80	253.35	209.41	184.33	202.00	244.43
Y 74.0	274.13	253.57	207.46	180.27	206.18	251.34	262.09	244.24	198.55	170.68	190.85	235.34
Y 75.0	265.32	244.30	196.43	166.45	195.41	242.36	253.45	235.32	187.71	156.97	180.12	226.54
Y 76.0	256.84	235.46	186.01	152.68	184.99	233.46	244.94	226.50	177.41	143.31	169.38	217.70
Y 77.0	248.39	226.64	175.72	139.39	174.87	224.96	236.53	217.79	167.08	130.05	159.32	209.19
Y 78.0	240.25	218.15	165.78	126.18	165.09	216.46	228.10	209.35	157.39	116.91	149.41	200.81
Y 79.0	231.98	209.65	156.18	113.33	155.49	208.27	220.00	201.07	147.85	104.24	139.95	192.70
Y 80.0	223.70	201.41	146.85	100.71	146.27	200.06	212.06	192.96	138.59	91.95	130.74	184.70
Y 81.0	215.76	193.07	137.70	88.51	137.15	191.87	203.96	184.88	129.77	80.01	121.88	176.77
Y 82.0	207.86	185.04	128.91	77.29	128.61	183.81	196.16	176.85	121.02	68.72	113.15	168.91
Y 83.0	200.17	177.05	120.61	66.42	120.49	176.09	188.38	169.18	112.76	57.95	104.93	161.29
Y 84.0	192.56	169.43	112.63	56.58	112.60	168.47	180.83	161.60	104.70	48.10	97.05	153.84
Y 85.0	184.92	161.71	105.03	47.81	104.89	160.98	173.54	154.30	97.22	39.30	89.68	146.69
Y 86.0	177.57	154.38	97.61	39.92	97.61	153.63	166.17	147.01	90.01	31.67	82.48	139.58
Y 87.0	170.19	147.07	90.54	33.41	90.69	146.46	159.04	139.79	82.93	25.39	75.78	132.58
Y 88.0	163.04	139.81	83.99	28.39	84.16	139.38	151.88	132.88	76.46	20.54	69.40	125.61
Y 89.0	156.00	132.97	77.67	25.00	77.83	132.62	144.92	126.04	70.18	17.38	63.24	119.10
Y 90.0	149.18	126.27	71.68	23.05	71.98	125.99	137.99	119.40	64.23	15.70	57.58	112.58
Y 91.0	142.54	119.71	66.00	22.76	66.54	119.59	131.51	113.04	58.71	15.26	52.33	106.22
Y 92.0	135.78	113.22	60.73	22.59	61.27	113.26	125.01	106.71	53.50	15.15	47.27	100.13
Y 93.0	129.25	106.87	55.66	22.41	56.20	106.91	118.68	100.62	48.65	14.99	42.75	94.25



**IES Indoor Report**  
**Photometric Filename:40W 3000K.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
Y 94.0	122.87	100.77	51.10	22.19	51.70	100.94	112.29	94.70	44.08	14.79	38.52	88.51
Y 95.0	116.83	95.02	47.07	22.07	47.51	95.11	106.11	89.04	39.91	14.68	34.74	83.05
Y 96.0	110.79	89.41	43.36	21.77	43.84	89.50	100.35	83.51	36.24	14.68	31.26	77.69
Y 97.0	104.80	84.01	39.96	21.71	40.55	84.29	94.67	78.37	32.85	14.60	28.41	72.57
Y 98.0	99.18	78.82	37.02	21.53	37.59	79.14	89.08	73.20	30.09	14.42	25.81	67.77
Y 99.0	93.65	73.77	34.38	21.29	35.03	74.18	83.84	68.43	27.51	14.50	23.61	63.08
Y 100.0	88.42	69.13	32.03	21.19	32.64	69.47	78.70	63.80	25.19	14.36	21.66	58.70
Y 101.0	83.29	64.55	30.03	20.99	30.66	65.02	73.67	59.48	23.07	14.31	20.06	54.43
Y 102.0	78.57	60.41	28.49	20.84	28.89	60.97	68.99	55.38	21.47	14.20	18.66	50.60
Y 103.0	73.82	56.53	26.81	20.57	27.29	57.17	64.46	51.63	20.02	14.13	17.32	47.29
Y 104.0	69.45	52.81	25.36	20.42	25.89	53.43	60.54	48.13	18.63	14.05	16.48	43.78
Y 105.0	65.21	49.21	24.18	20.29	24.78	49.83	56.33	44.15	17.53	14.15	15.69	39.43
Y 106.0	61.40	45.19	23.26	20.11	23.69	45.49	52.72	40.37	16.70	14.09	15.02	36.07
Y 107.0	57.42	41.95	22.36	20.02	22.74	41.95	48.29	37.41	15.83	14.16	14.34	33.25
Y 108.0	53.21	38.94	21.90	19.89	22.30	39.21	44.75	34.70	15.31	14.14	14.18	30.77
Y 109.0	49.72	37.05	21.44	19.72	21.56	37.19	41.70	32.33	14.92	14.12	13.97	28.73
Y 110.0	46.65	34.72	20.99	19.58	21.05	35.07	38.86	30.38	14.54	14.12	13.87	26.74
Y 111.0	43.76	32.39	20.62	19.49	20.63	33.05	36.20	28.25	14.27	13.94	13.80	24.87
Y 112.0	41.10	30.54	20.64	19.25	20.53	30.97	33.72	26.27	14.11	13.99	13.92	23.16
Y 113.0	38.65	28.87	20.50	19.12	20.36	29.40	31.39	24.68	14.12	14.05	13.85	21.83
Y 114.0	36.49	27.26	20.33	19.07	20.18	27.68	29.41	23.02	14.06	14.02	13.79	20.44
Y 115.0	34.29	25.83	20.20	18.87	20.00	26.31	27.40	21.81	14.06	14.12	13.92	19.54
Y 116.0	32.22	24.61	19.97	18.90	19.92	25.06	25.57	20.83	14.12	14.40	13.99	18.44
Y 117.0	30.35	23.53	19.87	18.80	19.72	24.07	24.00	19.78	14.16	14.33	14.05	17.76
Y 118.0	28.72	22.55	19.84	18.76	19.65	23.06	22.65	18.86	14.18	14.61	14.04	16.89
Y 119.0	27.38	21.68	19.69	18.66	19.41	22.18	21.36	18.16	14.26	14.65	14.06	16.31
Y 120.0	25.88	21.07	19.60	18.76	19.36	21.61	20.31	17.54	14.20	14.57	14.23	15.85
Y 121.0	24.50	20.48	19.45	18.61	19.30	20.99	19.34	16.99	14.30	14.68	14.13	15.59
Y 122.0	23.61	20.00	19.32	18.56	19.24	20.40	18.53	16.49	14.34	14.61	14.21	15.26
Y 123.0	22.66	19.71	19.31	18.30	19.13	19.96	17.85	16.16	14.51	14.54	14.35	15.24
Y 124.0	21.91	19.49	19.26	18.26	18.94	19.53	17.10	15.81	14.51	14.46	14.28	15.15
Y 125.0	21.25	19.50	19.10	18.26	18.88	19.34	16.66	15.77	14.51	14.59	14.32	15.11
Y 126.0	20.92	19.22	18.95	18.17	18.77	19.18	16.15	15.69	14.68	14.65	14.43	15.20
Y 127.0	20.52	19.35	18.83	18.06	18.74	18.97	15.86	15.75	14.68	14.73	14.45	15.15
Y 128.0	20.22	19.07	18.77	18.00	18.71	18.95	15.59	15.74	14.70	14.75	14.54	15.23
Y 129.0	20.16	19.11	18.78	18.01	18.69	18.89	15.49	15.72	14.87	14.88	14.56	15.23
Y 130.0	20.02	18.96	18.66	17.89	18.61	18.97	15.52	15.71	14.93	14.94	14.66	15.32
Y 131.0	19.95	18.87	18.65	18.05	18.57	18.86	15.48	15.83	14.88	15.08	14.75	15.44
Y 132.0	19.88	18.92	18.66	17.91	18.59	18.90	15.64	15.97	15.20	15.12	14.69	15.59
Y 133.0	19.66	18.90	18.54	18.05	18.53	18.66	15.58	15.94	15.28	15.14	14.91	15.63
Y 134.0	19.67	18.76	18.57	17.85	18.59	18.70	15.72	16.13	15.43	15.39	14.97	15.57
Y 135.0	19.65	18.75	18.45	17.94	18.55	18.64	15.73	16.05	15.48	15.44	15.03	15.63
Y 136.0	19.61	18.68	18.43	17.93	18.60	18.56	15.94	16.31	15.65	15.58	15.13	15.69
Y 137.0	19.58	18.61	18.47	17.86	18.52	18.49	15.98	16.30	15.65	15.63	15.35	15.81
Y 138.0	19.50	18.61	18.39	17.79	18.64	18.53	16.00	16.26	15.69	15.71	15.46	15.88
Y 139.0	19.52	18.58	18.51	17.84	18.62	18.61	16.19	16.29	15.88	15.78	15.60	16.10
Y 140.0	19.57	18.51	18.51	17.77	18.82	18.54	16.36	16.37	15.95	15.86	15.66	16.05

