

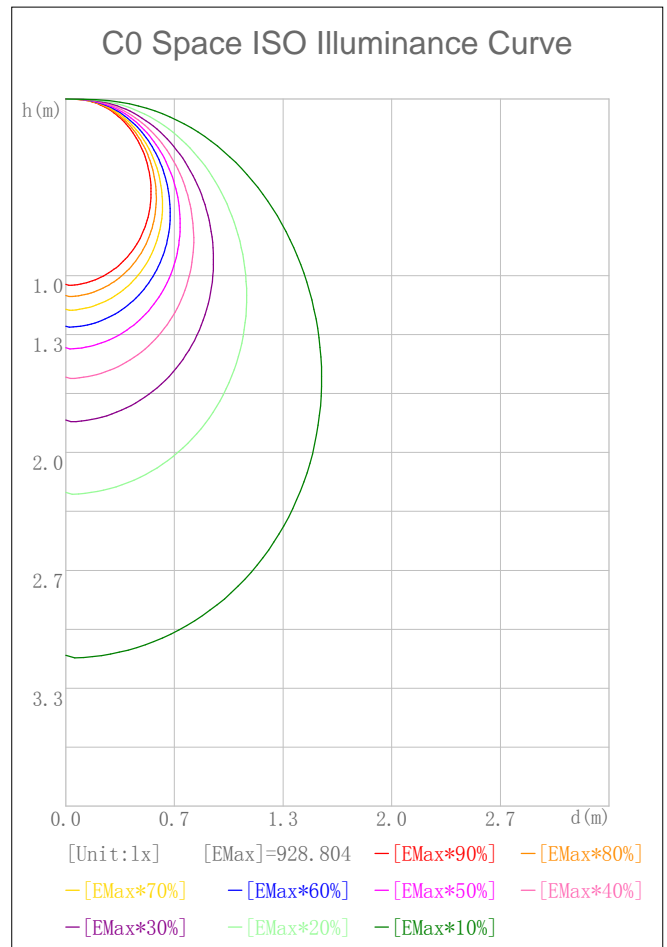
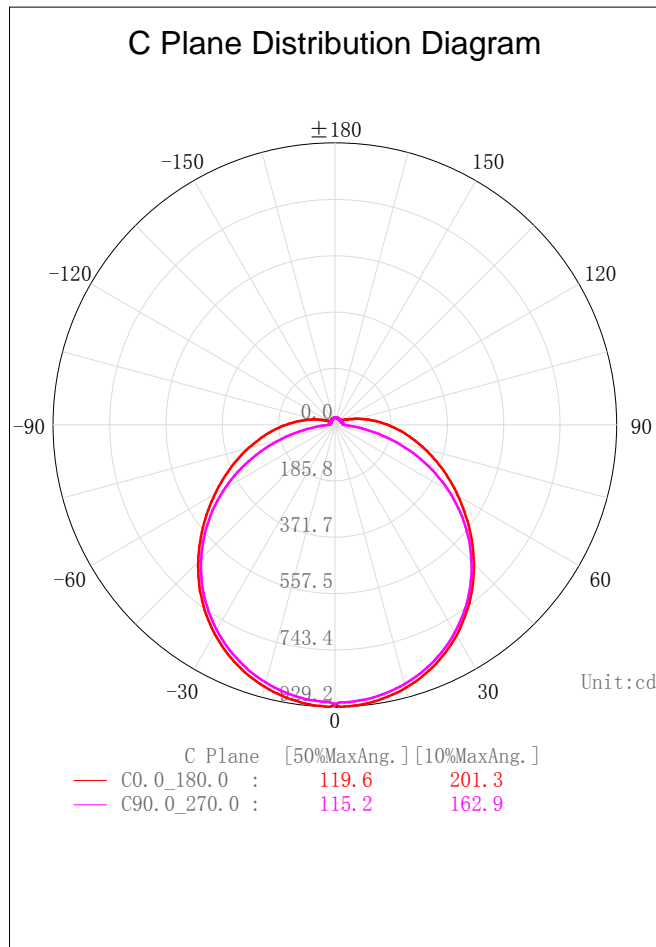
**Indoor Luminaire Photometric Data**

**Description Information**

Luminary Name: 40W 4000K		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**

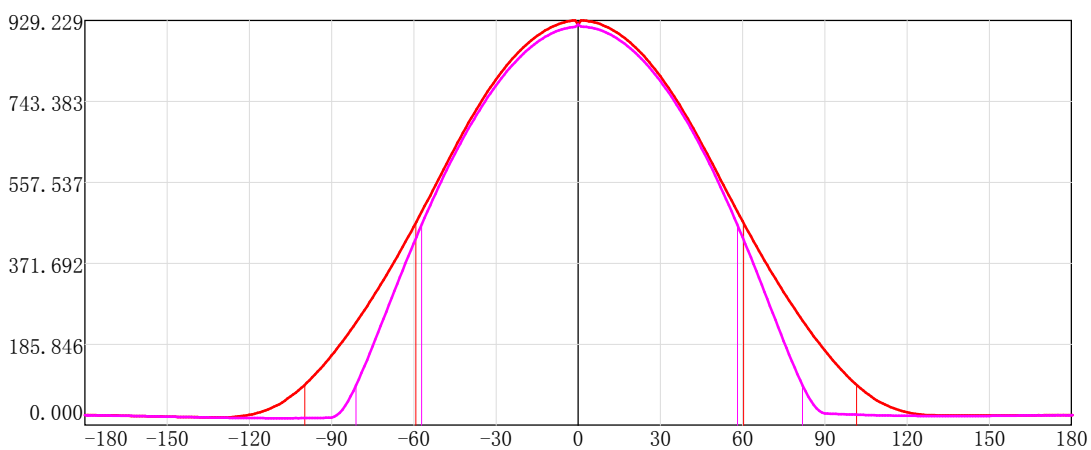
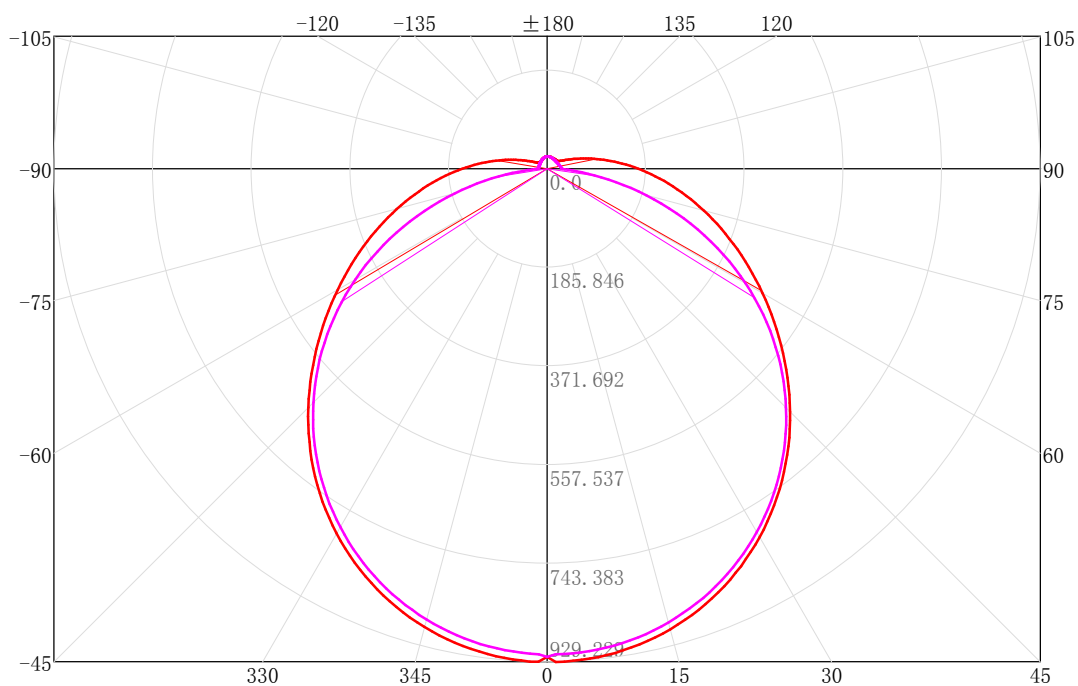
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 3127.720	Luminary Flux(lm): 3127.715	Field Angle(10%Imax): 201.3(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 2908.250lm 92.98%	
Rated Voltage(V):	Luminary EER(lm/W): 86.187	Up Lumens&Percent: 219.465lm 7.02%	
Tested Power(W): 36.290	Max. Candela(cd): 929.229	S/MH: C0_a180=1.285 C90_270=1.269	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 240.1, 0.161, 0.935	Beam Angle(50%Imax): 119.6(°)	ErP Φuse(120°): 2121.882lm	
Lamp Size (W*L*H): 0.075m*1.200m*0.000m	Left=-59.2°, Right=60.3°	IRF (%): 107.579	



### 2D Plane Light Intensity Distribution Curve

Lum. Name: 40W 4000K	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

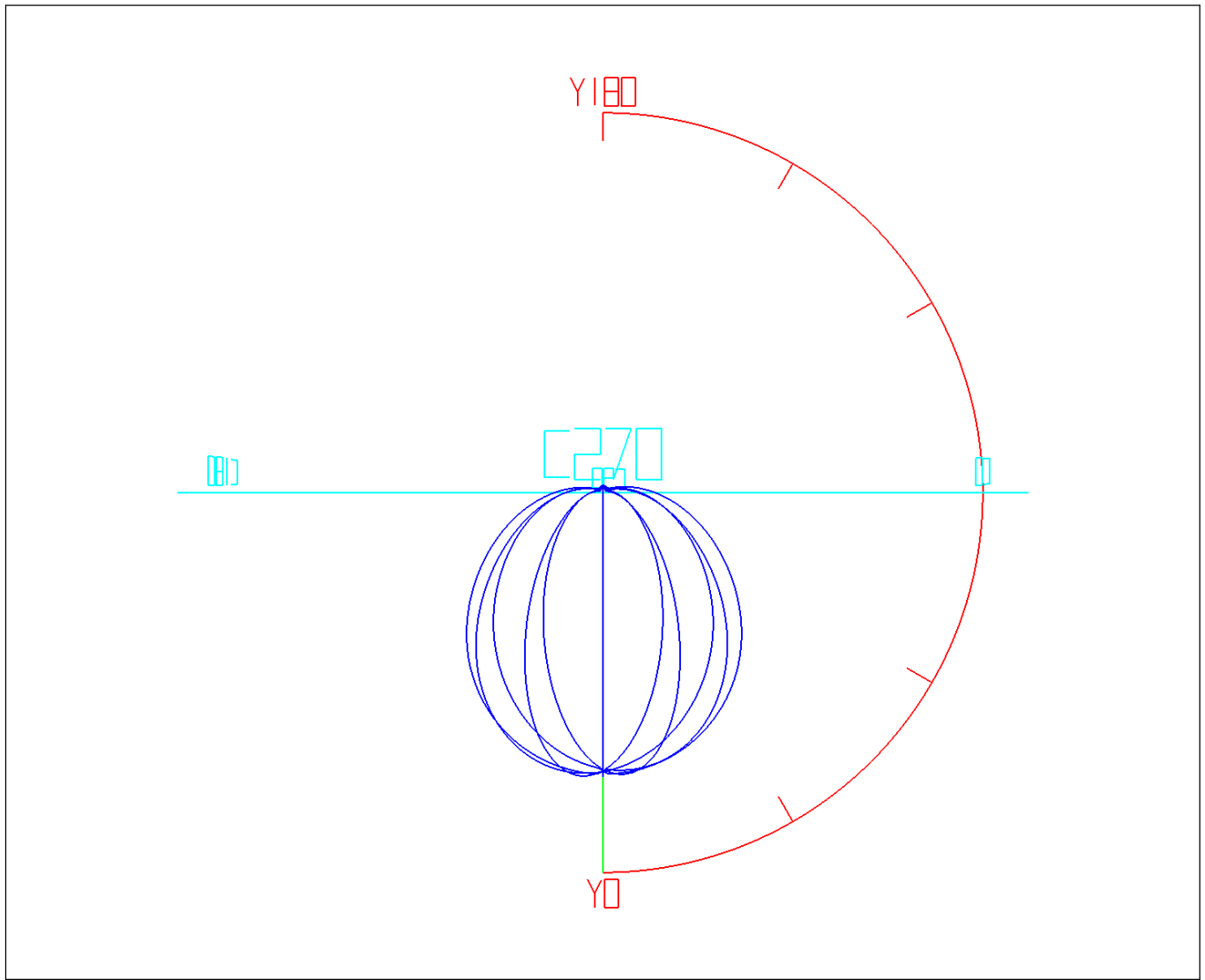


	C Plane	[50%MaxAng. ]	[10%MaxAng. ]	Unit:cd
—	C0_0_180.0 :	119.6	201.3	
—	C90_0_270.0 :	115.2	162.9	

### 3D Light Intensity Distribution Modal

Lum. Name: 40W 4000K	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 4000K.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	0.88	0.88	0.03	0.03	47.0-48.0	48.68	1573.57	1.56	50.31
1.0-2.0	2.63	3.51	0.08	0.11	48.0-49.0	48.43	1622.01	1.55	51.86
2.0-3.0	4.39	7.90	0.14	0.25	49.0-50.0	48.13	1670.13	1.54	53.40
3.0-4.0	6.13	14.04	0.20	0.45	50.0-51.0	47.76	1717.89	1.53	54.92
4.0-5.0	7.87	21.91	0.25	0.70	51.0-52.0	47.33	1765.22	1.51	56.44
5.0-6.0	9.60	31.51	0.31	1.01	52.0-53.0	46.85	1812.07	1.50	57.94
6.0-7.0	11.32	42.83	0.36	1.37	53.0-54.0	46.31	1858.39	1.48	59.42
7.0-8.0	13.02	55.85	0.42	1.79	54.0-55.0	45.73	1904.12	1.46	60.88
8.0-9.0	14.71	70.56	0.47	2.26	55.0-56.0	45.10	1949.22	1.44	62.32
9.0-10.0	16.38	86.94	0.52	2.78	56.0-57.0	44.42	1993.65	1.42	63.74
10.0-11.0	18.02	104.96	0.58	3.36	57.0-58.0	43.69	2037.34	1.40	65.14
11.0-12.0	19.65	124.61	0.63	3.98	58.0-59.0	42.92	2080.27	1.37	66.51
12.0-13.0	21.25	145.85	0.68	4.66	59.0-60.0	42.11	2122.38	1.35	67.86
13.0-14.0	22.82	168.67	0.73	5.39	60.0-61.0	41.27	2163.65	1.32	69.18
14.0-15.0	24.36	193.03	0.78	6.17	61.0-62.0	40.38	2204.03	1.29	70.47
15.0-16.0	25.87	218.90	0.83	7.00	62.0-63.0	39.46	2243.49	1.26	71.73
16.0-17.0	27.34	246.24	0.87	7.87	63.0-64.0	38.50	2281.99	1.23	72.96
17.0-18.0	28.79	275.03	0.92	8.79	64.0-65.0	37.51	2319.49	1.20	74.16
18.0-19.0	30.20	305.23	0.97	9.76	65.0-66.0	36.50	2355.99	1.17	75.33
19.0-20.0	31.57	336.79	1.01	10.77	66.0-67.0	35.46	2391.45	1.13	76.46
20.0-21.0	32.89	369.69	1.05	11.82	67.0-68.0	34.41	2425.86	1.10	77.56
21.0-22.0	34.18	403.87	1.09	12.91	68.0-69.0	33.33	2459.18	1.07	78.63
22.0-23.0	35.42	439.29	1.13	14.04	69.0-70.0	32.22	2491.41	1.03	79.66
23.0-24.0	36.62	475.90	1.17	15.22	70.0-71.0	31.11	2522.52	0.99	80.65
24.0-25.0	37.77	513.67	1.21	16.42	71.0-72.0	30.00	2552.52	0.96	81.61
25.0-26.0	38.87	552.54	1.24	17.67	72.0-73.0	28.88	2581.39	0.92	82.53
26.0-27.0	39.92	592.45	1.28	18.94	73.0-74.0	27.75	2609.14	0.89	83.42
27.0-28.0	40.91	633.37	1.31	20.25	74.0-75.0	26.62	2635.77	0.85	84.27
28.0-29.0	41.86	675.23	1.34	21.59	75.0-76.0	25.49	2661.26	0.81	85.09
29.0-30.0	42.76	717.99	1.37	22.96	76.0-77.0	24.36	2685.62	0.78	85.87
30.0-31.0	43.60	761.59	1.39	24.35	77.0-78.0	23.25	2708.87	0.74	86.61
31.0-32.0	44.38	805.97	1.42	25.77	78.0-79.0	22.15	2731.02	0.71	87.32
32.0-33.0	45.10	851.07	1.44	27.21	79.0-80.0	21.06	2752.07	0.67	87.99
33.0-34.0	45.77	896.84	1.46	28.67	80.0-81.0	19.98	2772.06	0.64	88.63
34.0-35.0	46.37	943.21	1.48	30.16	81.0-82.0	18.92	2790.98	0.60	89.23
35.0-36.0	46.92	990.14	1.50	31.66	82.0-83.0	17.89	2808.86	0.57	89.81
36.0-37.0	47.42	1037.55	1.52	33.17	83.0-84.0	16.89	2825.75	0.54	90.35
37.0-38.0	47.84	1085.40	1.53	34.70	84.0-85.0	15.92	2841.68	0.51	90.85
38.0-39.0	48.21	1133.60	1.54	36.24	85.0-86.0	15.00	2856.67	0.48	91.33
39.0-40.0	48.51	1182.11	1.55	37.79	86.0-87.0	14.10	2870.78	0.45	91.79
40.0-41.0	48.74	1230.85	1.56	39.35	87.0-88.0	13.26	2884.04	0.42	92.21
41.0-42.0	48.92	1279.77	1.56	40.92	88.0-89.0	12.47	2896.51	0.40	92.61
42.0-43.0	49.04	1328.82	1.57	42.49	89.0-90.0	11.74	2908.25	0.38	92.98
43.0-44.0	49.10	1377.92	1.57	44.06	90.0-91.0	11.06	2919.31	0.35	93.34
44.0-45.0	49.09	1427.01	1.57	45.62	91.0-92.0	10.42	2929.74	0.33	93.67
45.0-46.0	49.01	1476.02	1.57	47.19	92.0-93.0	9.80	2939.54	0.31	93.98
46.0-47.0	48.87	1524.89	1.56	48.75	93.0-94.0	9.20	2948.74	0.29	94.28

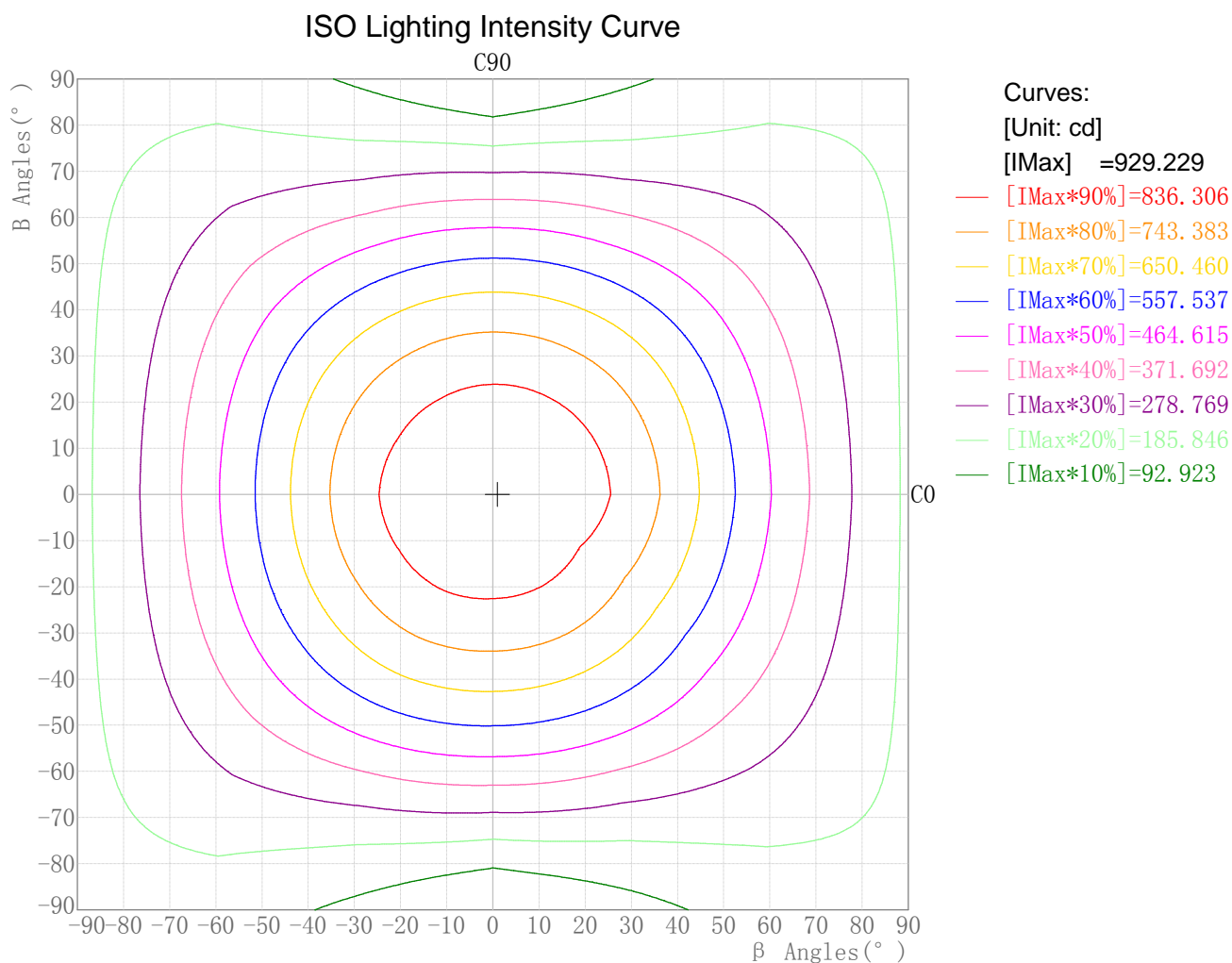
**IES Indoor Report**  
**Photometric Filename:40W 4000K.IES**

**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	8.64	2957.37	0.28	94.55	141.0-142.0	1.39	3099.07	0.04	99.08
95.0-96.0	8.09	2965.47	0.26	94.81	142.0-143.0	1.37	3100.43	0.04	99.13
96.0-97.0	7.58	2973.05	0.24	95.06	143.0-144.0	1.34	3101.77	0.04	99.17
97.0-98.0	7.11	2980.16	0.23	95.28	144.0-145.0	1.31	3103.09	0.04	99.21
98.0-99.0	6.65	2986.81	0.21	95.49	145.0-146.0	1.29	3104.37	0.04	99.25
99.0-100.0	6.22	2993.03	0.20	95.69	146.0-147.0	1.26	3105.63	0.04	99.29
100.0-101.0	5.82	2998.85	0.19	95.88	147.0-148.0	1.23	3106.86	0.04	99.33
101.0-102.0	5.45	3004.29	0.17	96.05	148.0-149.0	1.20	3108.06	0.04	99.37
102.0-103.0	5.10	3009.40	0.16	96.22	149.0-150.0	1.17	3109.23	0.04	99.41
103.0-104.0	4.79	3014.19	0.15	96.37	150.0-151.0	1.14	3110.37	0.04	99.45
104.0-105.0	4.48	3018.67	0.14	96.51	151.0-152.0	1.11	3111.48	0.04	99.48
105.0-106.0	4.18	3022.85	0.13	96.65	152.0-153.0	1.08	3112.56	0.03	99.52
106.0-107.0	3.90	3026.75	0.12	96.77	153.0-154.0	1.05	3113.61	0.03	99.55
107.0-108.0	3.65	3030.40	0.12	96.89	154.0-155.0	1.01	3114.62	0.03	99.58
108.0-109.0	3.44	3033.84	0.11	97.00	155.0-156.0	0.98	3115.60	0.03	99.61
109.0-110.0	3.26	3037.10	0.10	97.10	156.0-157.0	0.95	3116.55	0.03	99.64
110.0-111.0	3.08	3040.18	0.10	97.20	157.0-158.0	0.91	3117.46	0.03	99.67
111.0-112.0	2.93	3043.11	0.09	97.29	158.0-159.0	0.88	3118.34	0.03	99.70
112.0-113.0	2.79	3045.89	0.09	97.38	159.0-160.0	0.84	3119.18	0.03	99.73
113.0-114.0	2.65	3048.55	0.08	97.47	160.0-161.0	0.81	3119.99	0.03	99.75
114.0-115.0	2.54	3051.09	0.08	97.55	161.0-162.0	0.77	3120.76	0.02	99.78
115.0-116.0	2.43	3053.52	0.08	97.63	162.0-163.0	0.73	3121.49	0.02	99.80
116.0-117.0	2.34	3055.85	0.07	97.70	163.0-164.0	0.69	3122.19	0.02	99.82
117.0-118.0	2.25	3058.10	0.07	97.77	164.0-165.0	0.66	3122.84	0.02	99.84
118.0-119.0	2.17	3060.27	0.07	97.84	165.0-166.0	0.62	3123.46	0.02	99.86
119.0-120.0	2.10	3062.37	0.07	97.91	166.0-167.0	0.58	3124.04	0.02	99.88
120.0-121.0	2.03	3064.40	0.07	97.98	167.0-168.0	0.54	3124.57	0.02	99.90
121.0-122.0	1.98	3066.38	0.06	98.04	168.0-169.0	0.50	3125.07	0.02	99.92
122.0-123.0	1.92	3068.30	0.06	98.10	169.0-170.0	0.45	3125.52	0.01	99.93
123.0-124.0	1.88	3070.18	0.06	98.16	170.0-171.0	0.41	3125.94	0.01	99.94
124.0-125.0	1.84	3072.01	0.06	98.22	171.0-172.0	0.37	3126.31	0.01	99.95
125.0-126.0	1.80	3073.81	0.06	98.28	172.0-173.0	0.33	3126.64	0.01	99.97
126.0-127.0	1.77	3075.58	0.06	98.33	173.0-174.0	0.29	3126.92	0.01	99.97
127.0-128.0	1.74	3077.32	0.06	98.39	174.0-175.0	0.24	3127.16	0.01	99.98
128.0-129.0	1.71	3079.03	0.05	98.44	175.0-176.0	0.20	3127.36	0.01	99.99
129.0-130.0	1.68	3080.71	0.05	98.50	176.0-177.0	0.15	3127.52	0.00	99.99
130.0-131.0	1.66	3082.37	0.05	98.55	177.0-178.0	0.11	3127.63	0.00	100.00
131.0-132.0	1.64	3084.01	0.05	98.60	178.0-179.0	0.07	3127.69	0.00	100.00
132.0-133.0	1.62	3085.63	0.05	98.65	179.0-180.0	0.02	3127.72	0.00	100.00
133.0-134.0	1.59	3087.22	0.05	98.71					
134.0-135.0	1.57	3088.79	0.05	98.76					
135.0-136.0	1.54	3090.33	0.05	98.80					
136.0-137.0	1.52	3091.85	0.05	98.85					
137.0-138.0	1.49	3093.34	0.05	98.90					
138.0-139.0	1.47	3094.81	0.05	98.95					
139.0-140.0	1.45	3096.26	0.05	98.99					
140.0-141.0	1.42	3097.68	0.05	99.04					

**Rectangle ISO Lighting Intensity Diagram**

Lum. Name: 40W 4000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

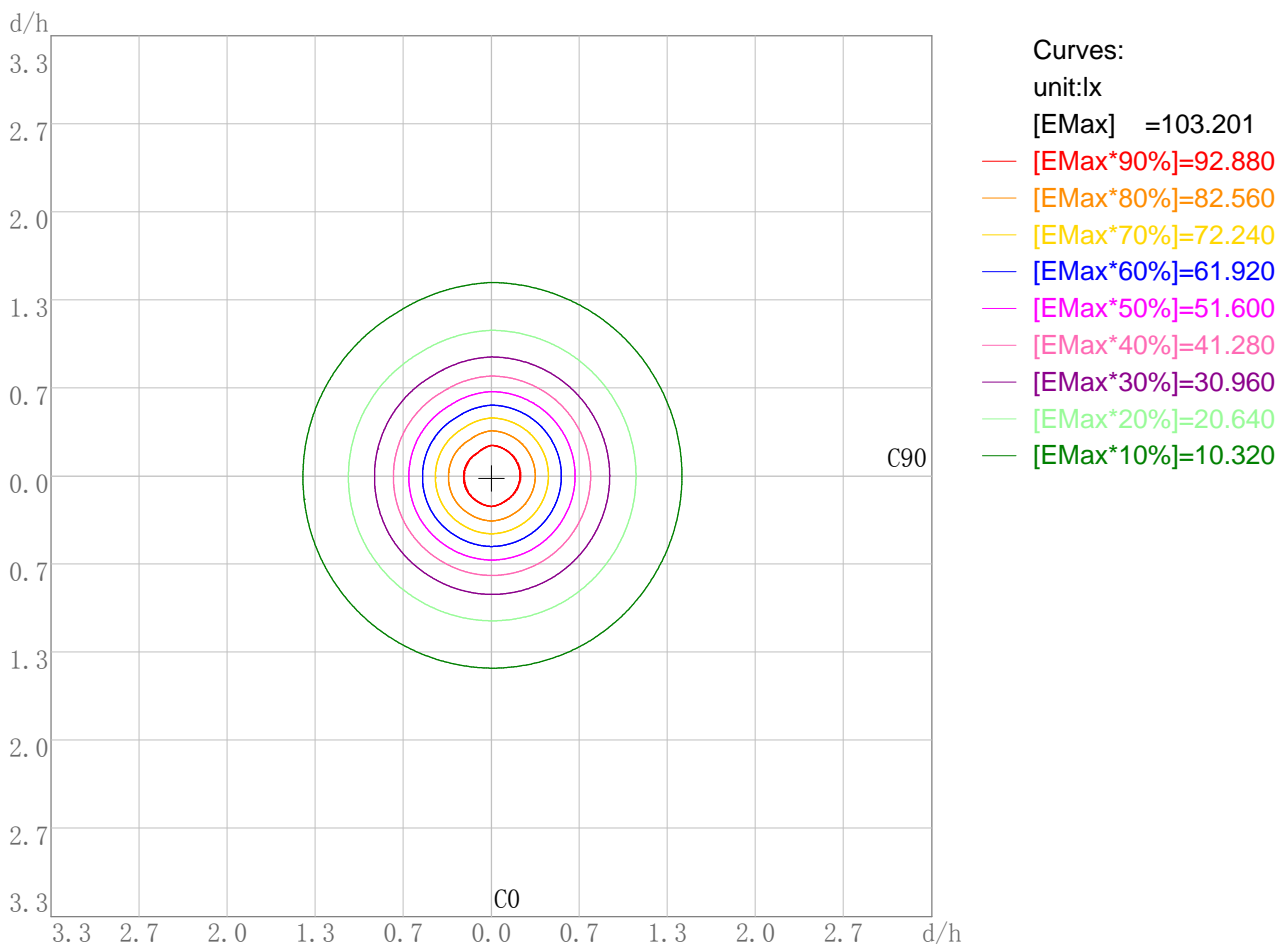


Maximum Light Intensity(cd): 929.23  
Maximum Cand.@Angle: H=1.0°;V=0.0°

**Plane ISO-Illuminance Diagram**

Lum. Name: 40W 4000K	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



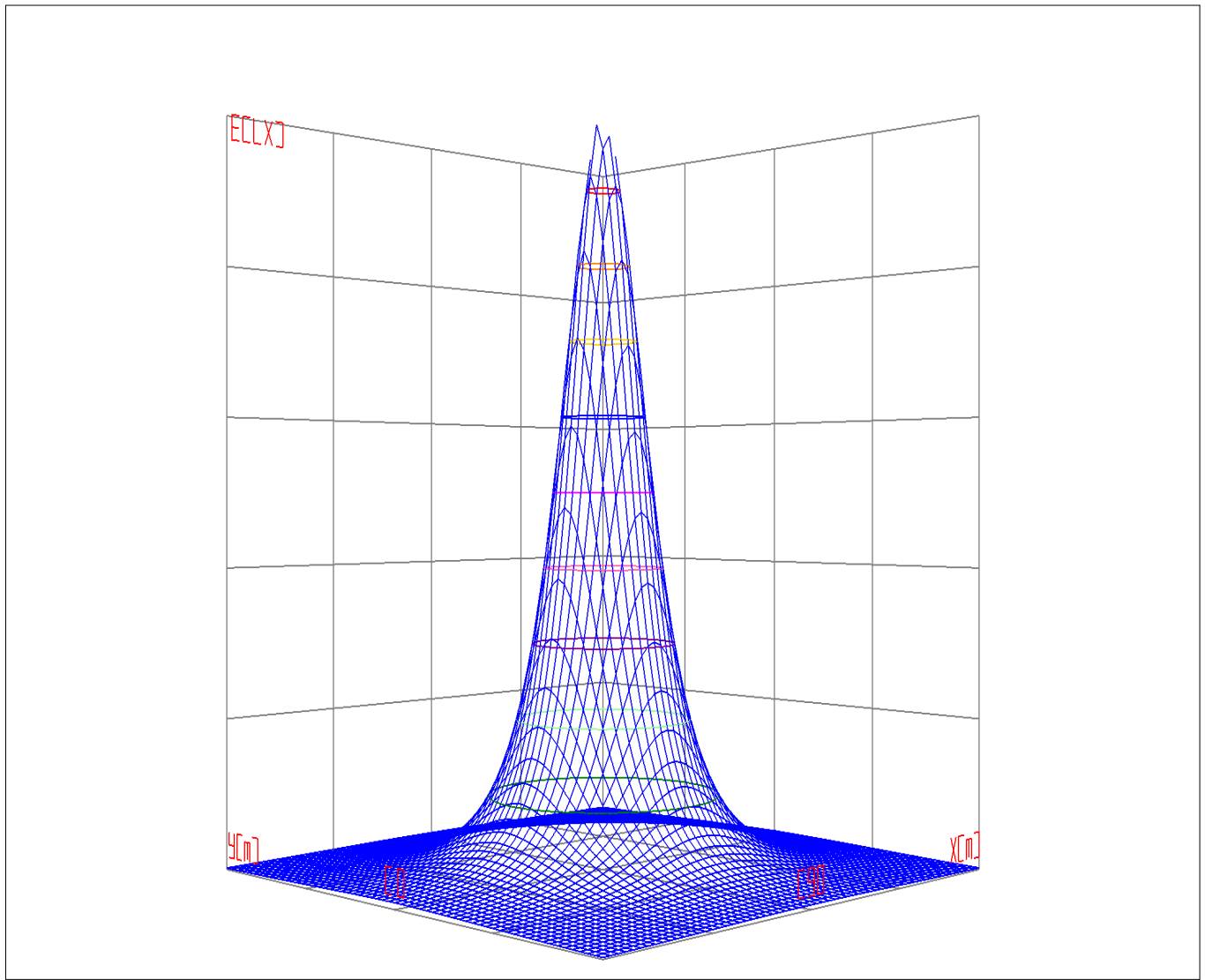
Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 103.20  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

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### 3D Plane ISO Illuminance Diagram

Lum. Name: 40W 4000K	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

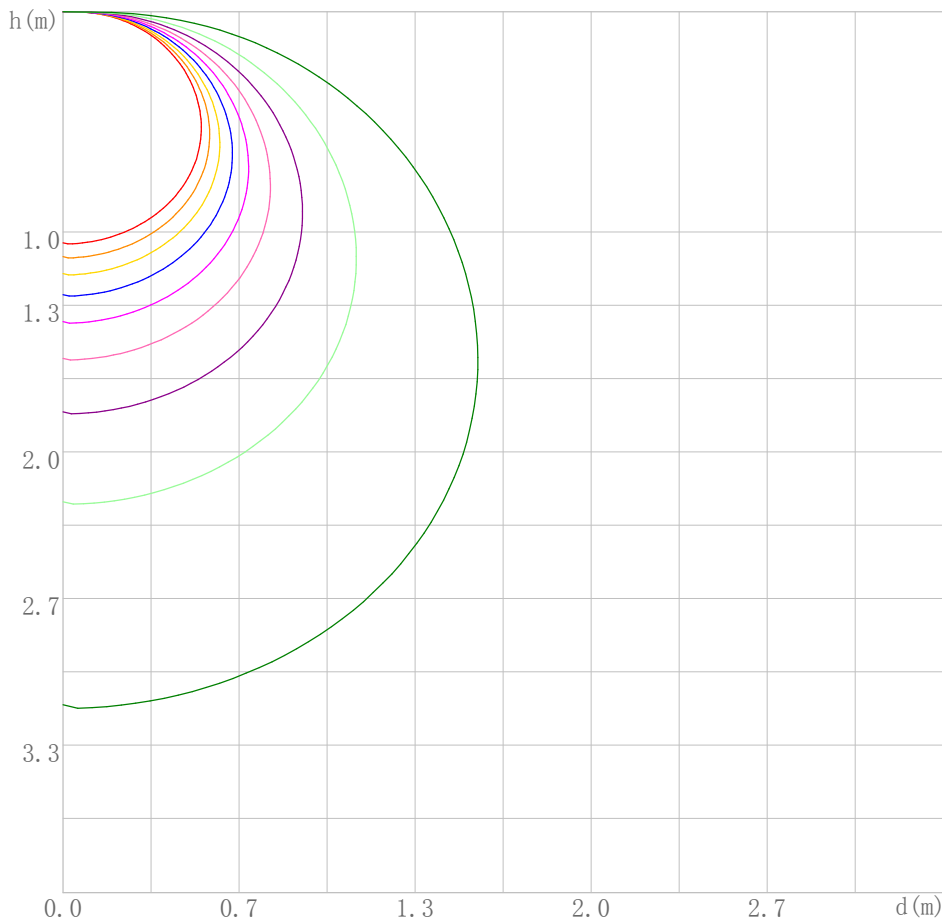
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**Space ISO Illuminance Diagram**

Lum. Name: 40W 4000K	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] =928.804
- [EMax\*90%]=835.924
  - [EMax\*80%]=743.044
  - [EMax\*70%]=650.163
  - [EMax\*60%]=557.283
  - [EMax\*50%]=464.402
  - [EMax\*40%]=371.522
  - [EMax\*30%]=278.641
  - [EMax\*20%]=185.761
  - [EMax\*10%]=92.880

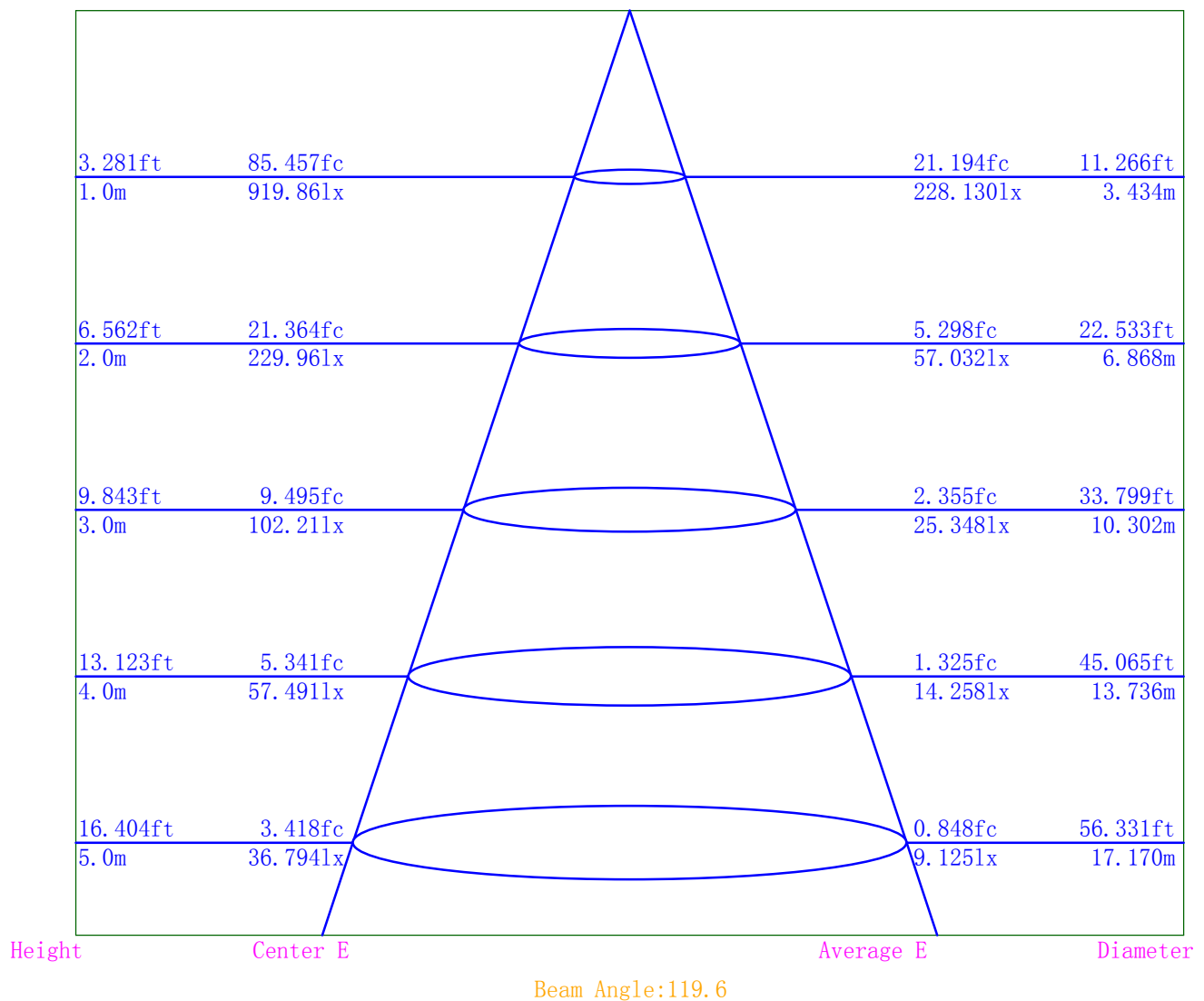
Space Plane Maximum Illuminance and @Angle:928.80lx,1.0deg  
 Plane Maximum Lighting Intensity and @Angle:929.229cd,0deg

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**Illuminance-Distance Diagram**

Lum. Name: 40W 4000K	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 4000K	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/04/12

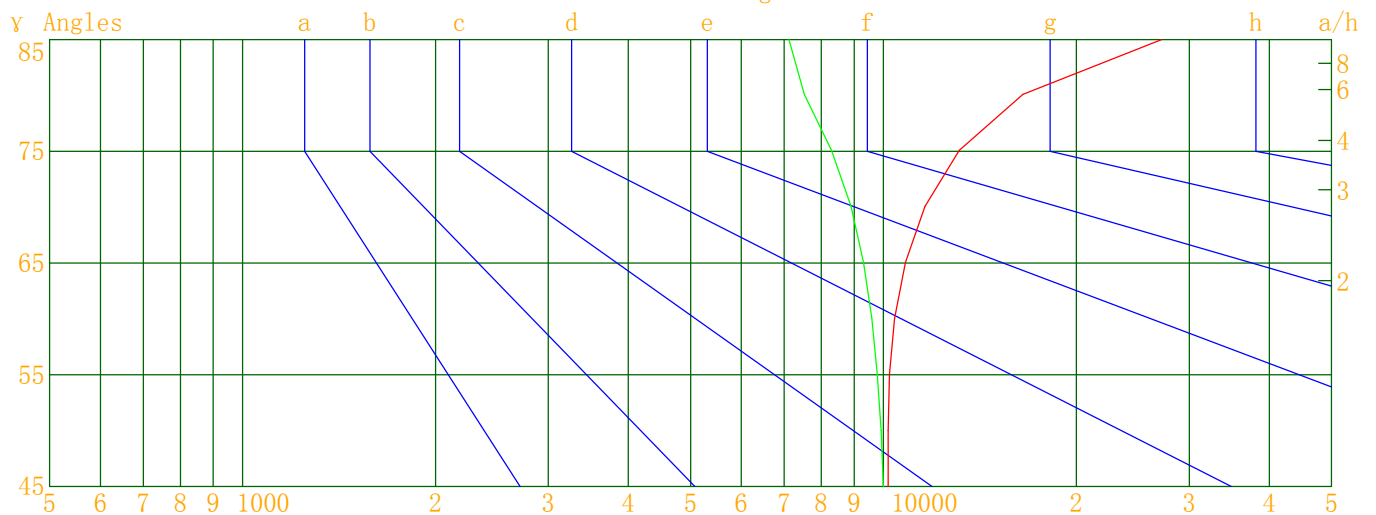
Glare Grade Table

GI	Quality	Using Illuminance							
		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	10172	10168	10220	10413	10823	11604	13128	16500	27163
C90	10002	9915	9783	9590	9311	8896	8300	7522	7124

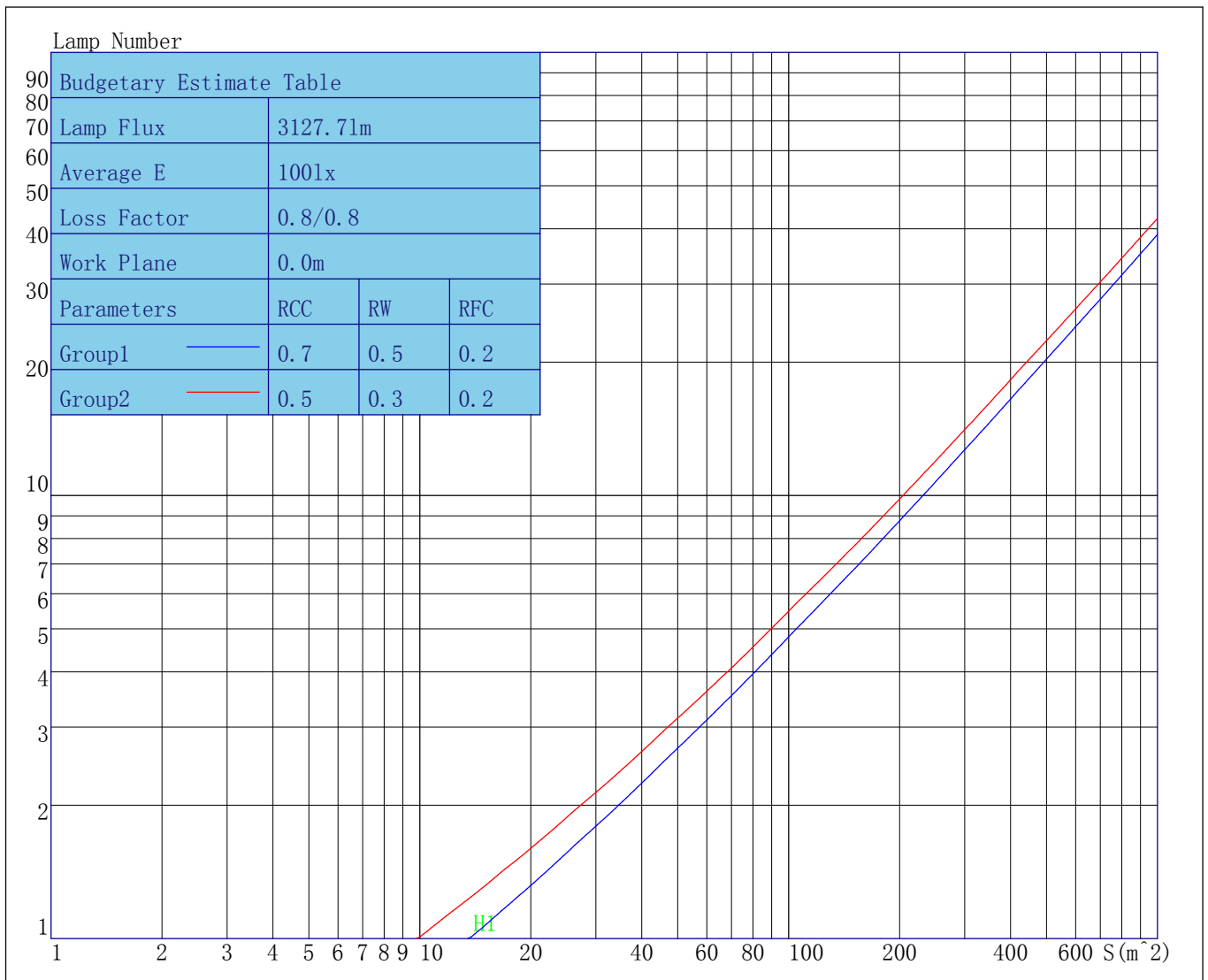
Luminance Limiting Curve



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 4000K	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 4000K	<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	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	91	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	83	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	37	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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**Unified Glare Rating Table**

<b>Lum. Name:</b> 40W 4000K	<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	19.9	21.4	20.4	21.9	22.4	19.7	21.2	20.1	21.7	22.1
	Y=3H	22.1	23.5	22.5	23.9	24.4	21.4	22.8	21.9	23.2	23.8
	Y=4H	23.2	24.5	23.7	25.0	25.5	22.1	23.4	22.6	23.9	24.4
	Y=6H	24.4	25.7	24.9	26.2	26.7	22.6	23.9	23.2	24.4	24.9
	Y=8H	25.1	26.3	25.6	26.8	27.4	22.8	24.0	23.4	24.5	25.1
	Y=12H	25.8	27.0	26.4	27.5	28.1	23.0	24.1	23.5	24.6	25.2
X=4H	Y=2H	20.7	22.0	21.2	22.5	23.0	20.5	21.8	21.0	22.3	22.9
	Y=3H	23.0	24.2	23.6	24.7	25.3	22.4	23.6	23.0	24.1	24.7
	Y=4H	24.3	25.4	24.9	25.9	26.5	23.3	24.3	23.8	24.9	25.5
	Y=6H	25.8	26.7	26.3	27.2	27.8	24.0	24.9	24.6	25.5	26.1
	Y=8H	26.5	27.4	27.1	27.9	28.6	24.3	25.2	24.9	25.7	26.3
	Y=12H	27.4	28.2	28.0	28.8	29.4	24.5	25.3	25.1	25.9	26.5
X=8H	Y=4H	24.7	25.6	25.3	26.2	26.8	23.9	24.7	24.4	25.3	25.9
	Y=6H	26.4	27.1	27.0	27.7	28.5	24.8	25.6	25.4	26.2	26.9
	Y=8H	27.3	28.0	27.9	28.6	29.2	25.3	25.9	25.9	26.5	27.2
	Y=12H	28.4	29.0	29.1	29.6	30.3	25.6	26.2	26.3	26.8	27.5
X=12H	Y=4H	24.8	25.6	25.4	26.2	26.8	24.0	24.8	24.6	25.4	26.0
	Y=6H	26.5	27.2	27.1	27.7	28.4	25.1	25.8	25.7	26.3	27.0
	Y=8H	27.6	28.1	28.2	28.7	29.4	25.6	26.2	26.3	26.8	27.5
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 4000K.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	919.86	919.86	919.86	919.86	919.86	919.86	919.86	919.86	919.86	919.86	919.86	919.86
Y 1.0	929.23	921.70	917.80	915.11	913.36	912.25	929.02	921.39	917.68	914.71	912.72	911.74
Y 2.0	929.14	921.39	917.87	914.70	913.01	912.06	928.90	920.62	917.03	914.05	912.34	910.83
Y 3.0	928.27	920.36	916.93	914.23	912.74	911.33	927.61	919.48	916.05	912.95	911.48	910.00
Y 4.0	927.31	919.77	916.29	913.23	911.71	910.95	926.89	918.15	914.82	911.53	910.06	908.50
Y 5.0	926.22	918.60	914.67	912.09	910.44	909.67	925.02	916.70	913.84	910.26	908.63	906.84
Y 6.0	924.99	917.05	913.32	910.86	908.70	908.23	923.36	914.75	912.12	908.42	906.80	905.05
Y 7.0	923.08	915.27	911.47	909.13	907.17	906.75	921.17	912.90	909.86	906.47	905.10	903.02
Y 8.0	921.24	913.41	909.30	907.11	905.01	905.14	918.42	910.48	907.42	904.10	902.77	900.55
Y 9.0	918.35	911.43	907.30	904.76	902.75	902.65	915.86	907.43	905.34	901.07	899.80	897.69
Y 10.0	915.63	908.53	904.58	902.23	900.33	900.01	913.23	904.47	902.03	898.19	896.80	894.68
Y 11.0	912.74	905.41	901.30	899.31	897.02	897.54	909.63	901.51	898.84	895.03	893.14	891.14
Y 12.0	909.47	902.38	898.19	896.28	893.83	894.26	906.27	898.03	895.14	891.52	890.41	887.77
Y 13.0	905.80	899.13	894.27	892.50	890.72	891.00	902.42	894.26	891.59	887.37	885.89	883.91
Y 14.0	902.06	895.14	890.58	888.81	886.86	887.21	897.97	889.77	888.03	883.53	882.12	879.68
Y 15.0	898.08	891.04	886.52	884.77	882.49	883.15	893.63	885.61	883.09	879.05	877.88	875.04
Y 16.0	893.22	886.79	882.17	880.18	878.13	878.71	888.74	880.64	878.59	874.33	872.86	870.21
Y 17.0	888.56	881.92	877.45	875.32	873.79	874.40	883.79	875.79	873.33	869.16	867.96	864.84
Y 18.0	883.71	876.86	872.45	870.66	868.91	869.31	878.78	870.30	868.82	863.98	862.67	859.65
Y 19.0	878.51	871.91	867.32	865.40	863.49	864.18	872.97	864.80	863.38	858.46	857.15	854.44
Y 20.0	872.70	866.37	861.61	860.24	858.27	859.17	867.17	859.08	857.11	852.71	851.47	848.17
Y 21.0	866.60	860.52	855.91	854.42	852.18	853.06	861.25	852.89	851.20	846.48	845.48	842.41
Y 22.0	860.70	854.44	849.63	848.31	846.20	847.51	854.80	846.51	844.79	840.15	839.05	835.66
Y 23.0	854.33	848.13	843.13	841.86	839.71	841.08	847.98	839.66	838.24	833.30	832.61	828.79
Y 24.0	847.33	841.34	837.03	835.35	833.40	834.53	840.76	832.64	831.67	826.63	825.42	821.85
Y 25.0	839.99	834.54	829.83	828.55	826.37	827.99	833.74	825.39	824.41	819.53	818.09	814.65
Y 26.0	833.03	827.46	822.73	821.42	819.36	820.71	826.17	817.91	817.31	812.09	810.82	807.22
Y 27.0	825.19	819.85	814.99	814.04	811.92	813.31	818.21	810.30	809.64	804.29	802.92	799.03
Y 28.0	817.40	812.10	807.39	806.18	804.13	805.53	810.07	802.13	801.51	796.17	794.91	791.12
Y 29.0	809.47	804.16	799.54	798.44	796.26	797.84	801.99	793.78	793.44	787.86	786.72	782.80
Y 30.0	801.33	795.60	791.00	790.21	788.01	789.80	793.24	785.65	785.07	779.37	778.19	774.07
Y 31.0	792.51	787.35	782.34	781.75	779.79	781.56	784.39	776.86	776.15	770.93	769.72	765.23
Y 32.0	783.32	778.59	773.53	773.03	770.83	772.71	775.36	767.55	767.27	761.83	760.40	756.27
Y 33.0	774.10	769.59	764.52	764.02	761.75	763.66	765.93	758.16	758.49	752.83	751.26	746.74
Y 34.0	764.84	760.04	755.28	754.95	752.84	754.36	756.49	748.76	748.53	742.75	741.72	737.14
Y 35.0	755.27	750.36	745.60	745.07	743.10	744.94	746.39	738.89	738.74	733.16	732.04	727.33
Y 36.0	745.48	740.73	736.29	735.59	733.46	735.35	736.30	729.05	728.86	723.06	721.76	717.55
Y 37.0	735.70	730.87	726.11	725.36	723.37	725.51	726.10	718.80	718.67	712.99	711.70	707.21
Y 38.0	725.03	720.68	715.68	715.24	713.53	715.38	715.59	708.41	708.08	702.57	700.94	696.70
Y 39.0	714.29	709.85	705.08	704.54	702.66	704.86	705.32	697.73	697.61	691.89	690.14	685.99
Y 40.0	703.70	699.28	694.28	693.85	691.78	694.33	693.86	686.64	686.47	680.94	679.33	674.93
Y 41.0	692.78	688.36	683.33	682.82	680.80	683.51	682.38	675.43	675.17	669.73	668.03	663.87
Y 42.0	681.86	677.44	672.16	671.71	669.87	672.44	671.24	664.07	663.88	658.41	656.44	652.79
Y 43.0	670.52	666.19	660.77	660.24	658.26	661.22	659.86	652.91	652.53	646.70	644.87	641.21
Y 44.0	659.20	654.44	649.08	648.55	646.86	649.92	648.47	641.19	640.83	634.93	633.26	629.58
Y 45.0	647.37	642.78	637.16	636.50	634.76	637.96	636.47	629.11	628.35	622.72	621.01	617.84
Y 46.0	635.73	630.72	624.67	624.17	622.68	626.25	624.34	617.04	616.09	610.31	608.67	605.79

**IES Indoor Report**  
**Photometric Filename:40W 4000K.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	623.82	618.53	612.55	612.14	610.39	614.12	612.11	604.86	603.49	597.65	595.98	593.57
Y 48.0	612.00	606.76	600.12	599.37	597.91	601.95	600.11	592.62	590.95	585.13	583.29	581.32
Y 49.0	599.99	594.15	587.34	586.66	585.02	589.86	587.85	580.49	578.09	572.35	570.76	569.01
Y 50.0	588.22	581.82	574.39	573.59	572.28	577.57	575.81	567.78	565.36	559.32	557.68	556.54
Y 51.0	575.86	569.30	561.29	560.04	559.21	565.11	563.56	555.18	551.95	545.89	544.20	544.13
Y 52.0	563.72	556.67	547.88	546.73	545.70	552.46	551.46	542.36	538.61	532.14	530.65	531.51
Y 53.0	551.78	543.98	534.27	532.86	532.44	539.90	539.18	529.78	524.94	518.41	517.18	518.86
Y 54.0	539.72	531.14	520.74	519.23	518.76	527.25	527.03	516.88	511.09	504.58	503.36	506.20
Y 55.0	527.59	518.59	506.98	505.02	505.08	514.64	515.01	504.42	497.37	490.63	489.77	493.60
Y 56.0	515.50	505.91	493.03	490.64	490.99	502.15	503.11	491.81	483.37	476.37	475.67	480.92
Y 57.0	503.68	493.21	478.73	476.23	476.77	489.72	491.07	479.08	469.30	461.87	461.60	468.22
Y 58.0	491.73	480.45	464.51	461.55	462.90	477.02	479.26	466.61	455.09	447.04	447.21	455.78
Y 59.0	480.23	467.80	450.44	446.52	448.44	464.82	467.23	454.29	440.57	432.22	432.72	443.14
Y 60.0	468.58	455.50	436.23	431.56	434.35	452.45	455.55	441.97	426.08	417.31	418.40	430.84
Y 61.0	456.99	442.99	421.57	416.48	419.72	440.26	443.94	429.72	411.62	402.19	403.85	418.86
Y 62.0	445.45	431.02	407.21	401.23	404.97	428.14	432.59	417.52	397.11	387.15	389.24	406.74
Y 63.0	434.10	418.66	392.52	385.56	390.67	416.10	421.05	405.52	382.52	371.57	374.66	394.69
Y 64.0	422.65	406.58	377.74	369.86	375.98	403.99	409.83	393.54	367.89	355.88	359.99	382.79
Y 65.0	411.65	394.53	363.52	354.16	361.67	392.28	398.49	381.70	353.33	340.11	345.54	370.95
Y 66.0	400.59	382.84	349.11	338.27	347.31	380.55	387.48	370.06	338.91	324.45	330.91	359.42
Y 67.0	389.67	370.87	334.60	322.47	333.14	369.13	376.37	358.72	324.86	308.64	316.52	348.12
Y 68.0	378.63	359.59	320.44	306.39	318.68	357.58	365.68	347.30	310.67	292.86	302.52	336.73
Y 69.0	367.81	348.27	306.23	290.21	304.71	346.23	354.95	336.07	296.70	276.93	288.32	325.64
Y 70.0	357.19	336.80	292.33	273.83	290.82	335.07	344.27	324.78	282.78	260.65	274.40	314.45
Y 71.0	346.68	325.63	278.67	257.65	277.62	324.09	333.67	313.90	269.21	244.55	260.56	303.65
Y 72.0	336.49	314.62	265.45	241.54	264.34	313.23	323.43	303.14	255.86	228.55	247.17	293.01
Y 73.0	326.16	303.92	252.37	225.40	251.22	302.52	313.24	292.49	242.95	212.79	234.16	282.52
Y 74.0	316.04	293.30	239.53	209.50	238.60	292.08	303.09	282.18	230.25	196.84	221.54	272.08
Y 75.0	305.81	282.83	226.99	193.33	225.94	281.65	293.18	271.73	218.08	181.07	209.00	261.87
Y 76.0	296.00	272.30	214.74	177.66	213.99	271.37	283.25	261.63	205.74	165.20	196.76	251.75
Y 77.0	286.30	262.28	202.88	162.09	202.26	261.37	273.43	251.69	193.91	149.87	184.95	241.96
Y 78.0	276.81	252.35	191.53	146.81	190.78	251.56	263.77	242.02	182.57	134.84	173.48	232.24
Y 79.0	267.34	242.50	180.19	132.08	179.91	241.95	254.47	232.34	171.63	120.17	162.43	222.78
Y 80.0	257.86	232.93	169.44	117.55	169.10	232.31	245.19	222.94	161.00	105.83	151.81	213.54
Y 81.0	248.63	223.34	158.93	103.40	158.73	222.95	236.06	213.68	150.61	92.05	141.58	204.36
Y 82.0	239.48	214.08	148.88	90.09	148.88	213.66	226.86	204.45	140.70	78.70	131.58	195.21
Y 83.0	230.57	205.02	139.36	77.76	139.30	204.64	218.02	195.54	131.05	66.49	121.95	186.49
Y 84.0	221.80	195.99	130.18	66.31	130.14	195.79	209.32	186.84	121.88	55.19	112.86	177.79
Y 85.0	213.07	187.33	121.20	55.88	121.41	187.12	200.70	178.35	113.45	45.11	104.19	169.43
Y 86.0	204.44	178.88	112.69	46.79	112.99	178.85	192.27	169.88	104.62	36.28	95.93	161.30
Y 87.0	196.07	170.35	104.48	39.07	104.82	170.38	184.02	161.57	96.67	28.89	88.06	153.10
Y 88.0	187.87	162.06	96.78	33.25	97.24	162.21	175.75	153.55	88.93	23.34	80.65	145.22
Y 89.0	179.73	154.11	89.58	29.50	90.12	154.28	167.77	145.76	81.73	19.94	73.61	137.58
Y 90.0	172.04	146.38	82.73	27.23	83.30	146.54	159.83	138.18	74.95	17.98	67.00	130.14
Y 91.0	164.18	138.67	76.21	26.89	76.91	139.12	152.30	130.83	68.60	17.59	60.94	122.87
Y 92.0	156.62	131.21	70.01	26.75	70.88	131.90	144.82	123.57	62.43	17.34	55.15	115.83
Y 93.0	149.04	124.00	64.22	26.38	65.24	124.69	137.56	116.51	56.91	17.19	49.79	108.90



**IES Indoor Report**  
**Photometric Filename:40W 4000K.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	141.73	117.01	59.16	26.15	60.02	117.76	130.36	109.54	51.64	17.07	44.95	102.28
Y 95.0	134.60	110.27	54.31	25.91	55.26	111.11	123.37	103.08	46.98	17.02	40.39	95.72
Y 96.0	127.77	103.77	50.08	25.80	50.99	104.60	116.53	96.63	42.58	16.92	36.57	89.60
Y 97.0	121.08	97.55	46.24	25.52	47.16	98.34	110.04	90.61	38.73	16.77	33.12	83.79
Y 98.0	114.50	91.62	42.80	25.32	43.79	92.53	103.62	84.83	35.51	16.67	30.12	78.20
Y 99.0	108.04	85.70	39.84	24.95	40.64	86.68	97.42	79.24	32.44	16.61	27.53	72.72
Y 100.0	101.88	80.13	37.16	24.80	38.07	81.15	91.43	73.91	29.81	16.62	25.24	67.55
Y 101.0	96.06	74.93	34.79	24.76	35.76	76.17	85.83	68.98	27.44	16.64	23.28	62.79
Y 102.0	90.52	70.17	32.82	24.40	33.70	71.39	80.37	64.14	25.42	16.50	21.79	58.44
Y 103.0	85.11	65.63	30.93	24.15	31.85	66.97	75.19	59.92	23.68	16.53	20.40	54.31
Y 104.0	80.07	61.51	29.55	24.09	30.28	62.69	70.40	55.79	22.11	16.43	19.31	50.43
Y 105.0	75.27	57.18	28.23	23.86	28.92	58.38	65.80	51.13	20.83	16.41	18.34	45.57
Y 106.0	70.72	52.66	27.19	23.62	27.70	53.49	61.45	46.89	19.94	16.43	17.53	41.71
Y 107.0	66.20	48.96	26.03	23.56	26.57	49.37	56.52	43.54	18.77	16.41	16.93	38.32
Y 108.0	61.12	45.64	25.45	23.28	25.91	46.13	52.26	40.35	18.17	16.48	16.59	35.65
Y 109.0	57.33	42.95	24.84	23.10	25.17	43.71	48.58	37.75	17.62	16.47	16.31	33.30
Y 110.0	53.81	40.35	24.40	22.91	24.49	41.28	45.35	35.38	17.20	16.43	16.13	31.06
Y 111.0	50.54	37.96	23.98	22.83	24.06	38.98	42.29	32.98	16.88	16.48	16.15	28.90
Y 112.0	47.42	35.81	23.89	22.71	23.77	36.64	39.40	30.77	16.66	16.41	16.21	27.01
Y 113.0	44.59	33.62	23.69	22.67	23.63	34.61	36.97	29.00	16.49	16.45	16.27	25.13
Y 114.0	41.98	31.79	23.52	22.46	23.37	32.64	34.51	27.23	16.48	16.51	16.27	23.71
Y 115.0	39.51	30.18	23.30	22.36	23.23	31.07	32.26	25.65	16.50	16.62	16.29	22.52
Y 116.0	37.23	28.81	23.20	22.27	23.08	29.72	30.22	24.34	16.50	16.66	16.39	21.53
Y 117.0	35.05	27.60	23.11	22.10	22.79	28.51	28.35	23.20	16.57	16.90	16.31	20.65
Y 118.0	33.15	26.48	22.92	22.02	22.69	27.45	26.71	22.27	16.56	16.99	16.42	19.80
Y 119.0	31.48	25.50	22.84	21.96	22.63	26.49	25.20	21.35	16.67	17.05	16.55	19.12
Y 120.0	30.06	24.61	22.71	21.86	22.45	25.67	23.88	20.59	16.68	17.20	16.54	18.54
Y 121.0	28.72	24.02	22.56	21.79	22.38	24.92	22.67	20.11	16.76	17.17	16.56	18.22
Y 122.0	27.51	23.45	22.43	21.68	22.31	24.19	21.77	19.45	16.90	17.18	16.60	17.81
Y 123.0	26.30	23.05	22.22	21.71	22.19	23.63	21.03	18.94	16.92	17.07	16.68	17.80
Y 124.0	25.52	22.77	22.19	21.61	22.17	23.15	20.30	18.57	17.09	17.08	16.81	17.75
Y 125.0	24.82	22.63	22.06	21.53	22.10	22.68	19.71	18.34	17.08	17.17	16.82	17.73
Y 126.0	24.22	22.57	22.01	21.49	22.01	22.55	18.99	18.15	17.17	17.16	16.94	17.70
Y 127.0	23.85	22.51	21.90	21.37	21.85	22.40	18.68	18.17	17.23	17.26	16.97	17.75
Y 128.0	23.49	22.41	21.89	21.31	21.93	22.33	18.31	18.23	17.32	17.35	17.08	17.86
Y 129.0	23.31	22.32	21.89	21.23	21.82	22.15	18.01	18.22	17.43	17.51	17.12	17.91
Y 130.0	23.16	22.24	21.75	21.20	21.70	22.12	18.01	18.29	17.57	17.68	17.24	17.96
Y 131.0	23.09	22.21	21.69	21.14	21.70	22.16	18.05	18.39	17.67	17.66	17.35	18.10
Y 132.0	23.06	22.23	21.68	21.28	21.60	22.08	18.19	18.48	17.77	17.76	17.40	18.07
Y 133.0	23.01	22.18	21.67	21.20	21.53	22.04	18.27	18.55	17.91	17.86	17.49	18.21
Y 134.0	22.95	22.07	21.59	21.20	21.52	21.96	18.40	18.61	18.14	17.96	17.60	18.29
Y 135.0	22.94	21.94	21.60	21.14	21.50	21.90	18.53	18.73	18.23	18.07	17.72	18.34
Y 136.0	22.86	22.07	21.47	21.22	21.50	21.75	18.57	18.84	18.42	18.20	17.85	18.41
Y 137.0	22.85	21.94	21.59	21.31	21.57	21.77	18.64	18.84	18.54	18.29	17.93	18.47
Y 138.0	22.82	21.98	21.55	21.18	21.55	21.77	18.71	18.98	18.61	18.39	18.16	18.56
Y 139.0	22.74	22.01	21.63	21.24	21.66	21.82	18.83	19.07	18.63	18.51	18.38	18.76
Y 140.0	22.71	21.95	21.52	21.18	21.76	21.81	18.95	19.09	18.76	18.67	18.62	18.79

