

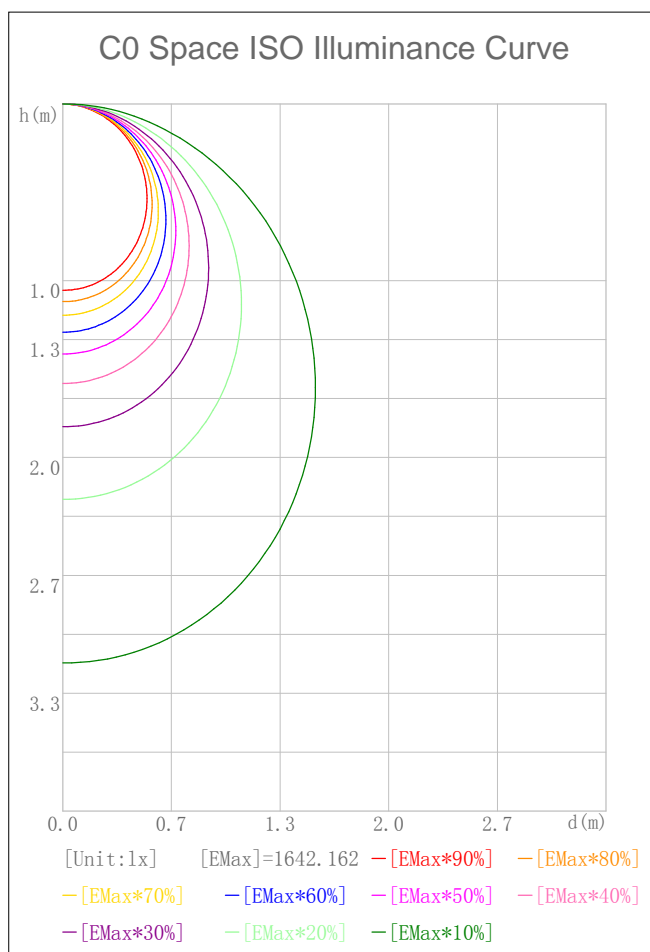
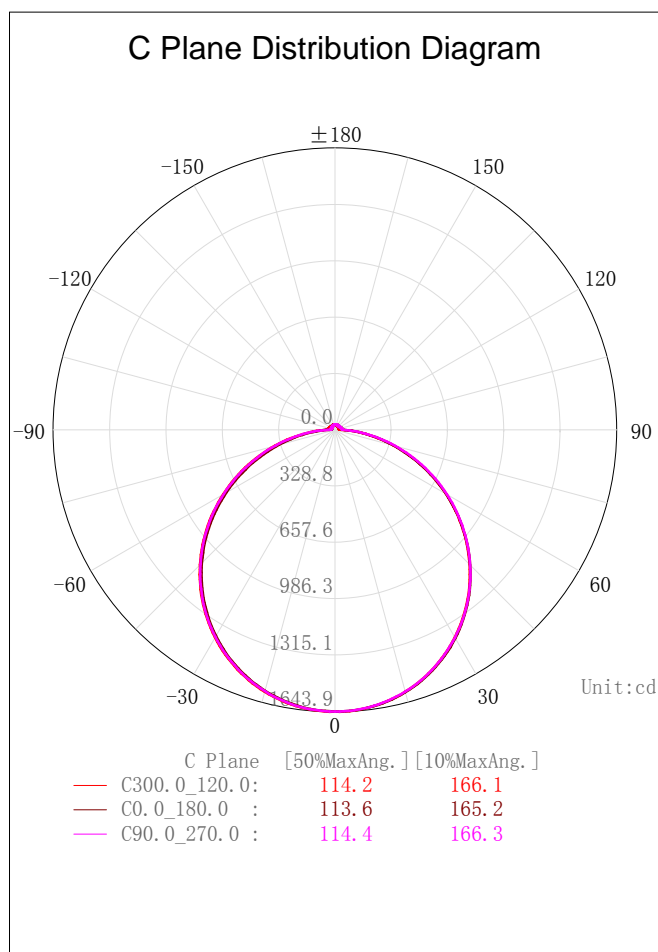
Indoor Luminaire Photometric Data

Description Information

Luminary Name: LED PANEL		Lum. Catalog:	Test ID: 001
Lamp Name: SMD		Lamp Catalog: LED	Test Date: 2018/07/03
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: Volnic IES		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.605m*1.214m*0.000m		Lum. Area (m2): 0.734	Lum. W (kg): 10.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

Character Parameter

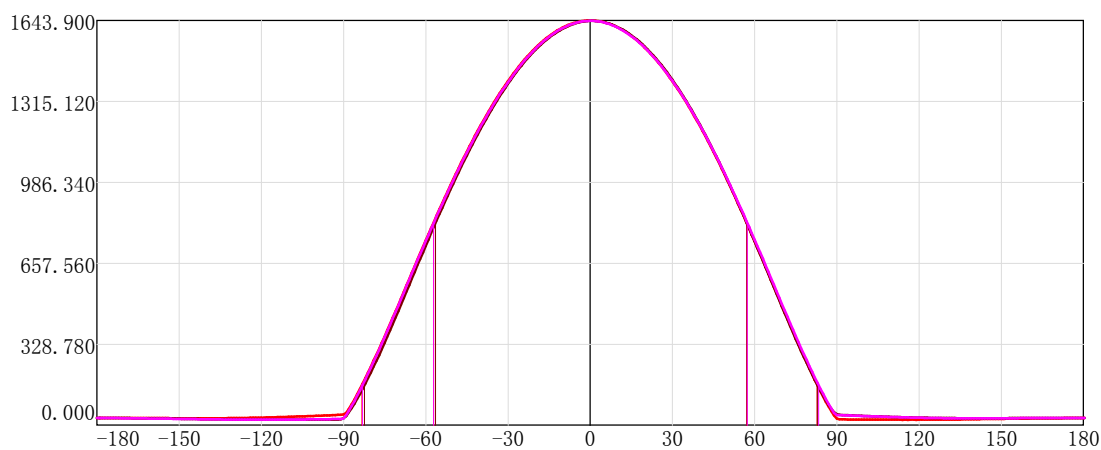
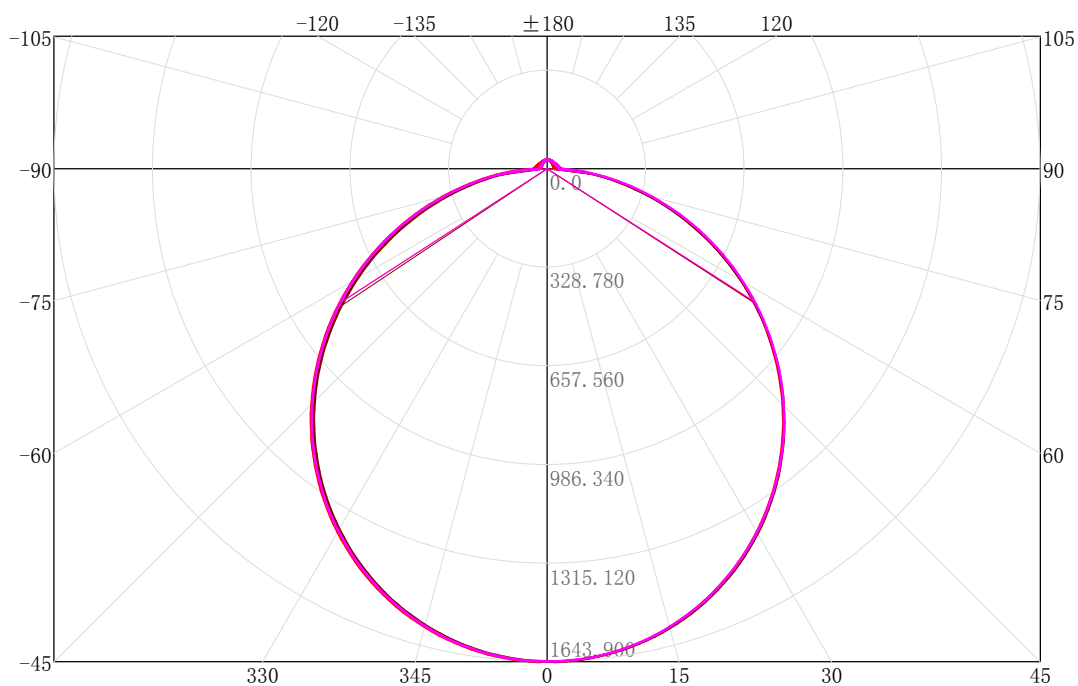
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux (lm): 5025.670	Luminary Flux (lm): 5025.674	Field Angle (10%Imax): 166.1(°)	
Rated Power (W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 4845.322lm 96.41%	
Rated Voltage (V):	Luminary EER (lm/W): 109.492	Up Lumens&Percent: 180.352lm 3.59%	
Tested Power (W): 45.900	Max. Candela (cd): 1643.900	S/MH: C0_a180=1.262 C90_270=1.263	
Lamps' Inside: 1	Max Cand@Ang. (°): C=300.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics (V, A, pf): 120.1, 0.385, 0.992	Beam Angle (50%Imax): 114.2(°)	ErP Φuse (120°): 3731.859lm	
Lamp Size (W*L*H): 0.605m*1.214m*0.000m	Left=-57.1°, Right=57.1°	IRF (%): 107.301	



2D Plane Light Intensity Distribution Curve

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

C Plane Distribution Diagram

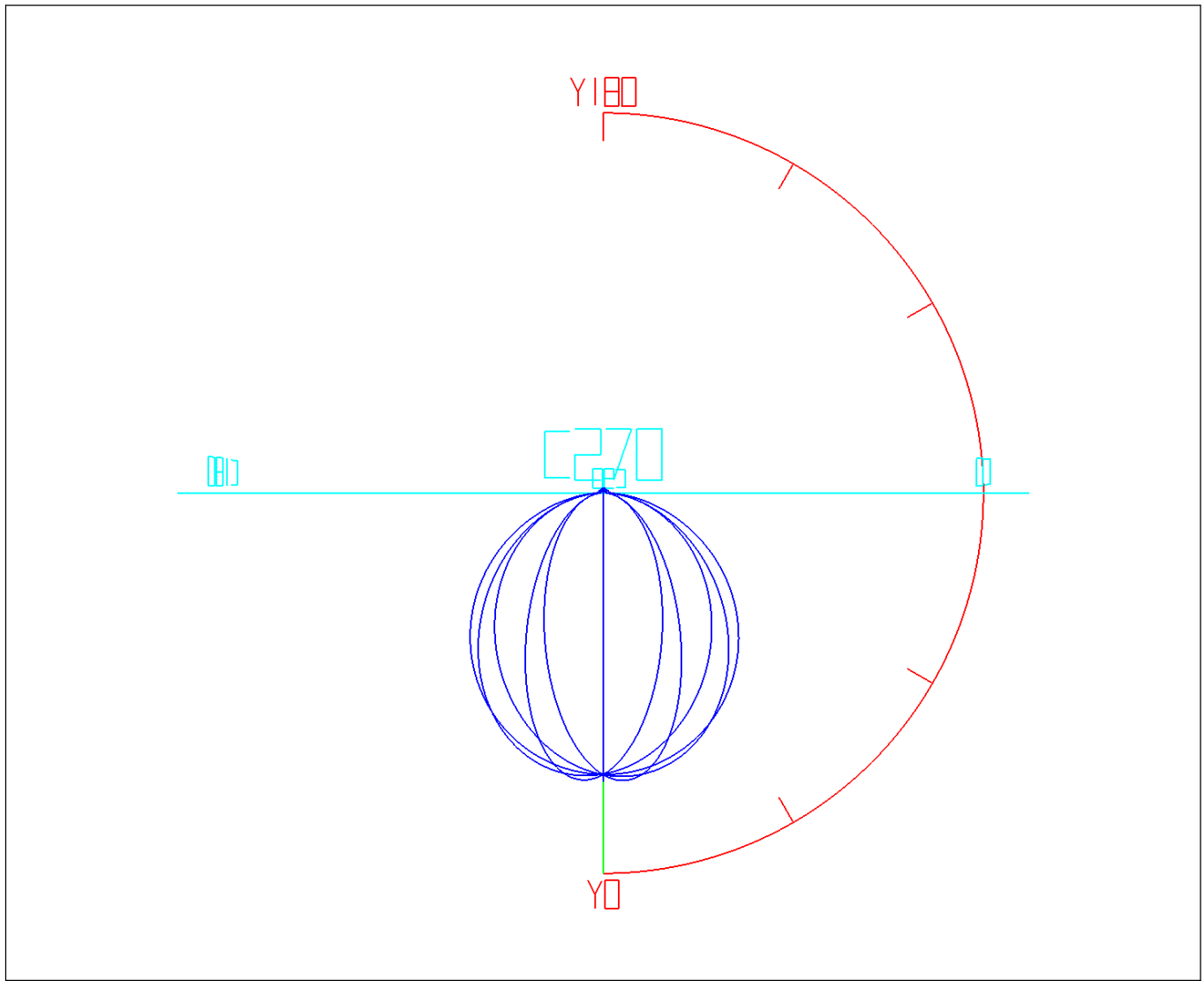


	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C300.0_120.0:	114.2	166.1	
—	C0.0_180.0 :	113.6	165.2	
—	C90.0_270.0 :	114.4	166.3	

3D Light Intensity Distribution Modal

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

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:LED PANEL.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	1.57	1.57	0.03	0.03	47.0-48.0	85.04	2784.11	1.69	55.40
1.0-2.0	4.71	6.28	0.09	0.13	48.0-49.0	84.50	2868.61	1.68	57.08
2.0-3.0	7.85	14.13	0.16	0.28	49.0-50.0	83.85	2952.45	1.67	58.75
3.0-4.0	10.97	25.10	0.22	0.50	50.0-51.0	83.08	3035.53	1.65	60.40
4.0-5.0	14.08	39.18	0.28	0.78	51.0-52.0	82.19	3117.72	1.64	62.04
5.0-6.0	17.17	56.35	0.34	1.12	52.0-53.0	81.21	3198.93	1.62	63.65
6.0-7.0	20.24	76.59	0.40	1.52	53.0-54.0	80.13	3279.07	1.59	65.25
7.0-8.0	23.28	99.87	0.46	1.99	54.0-55.0	78.96	3358.02	1.57	66.82
8.0-9.0	26.29	126.15	0.52	2.51	55.0-56.0	77.68	3435.70	1.55	68.36
9.0-10.0	29.26	155.41	0.58	3.09	56.0-57.0	76.28	3511.98	1.52	69.88
10.0-11.0	32.19	187.61	0.64	3.73	57.0-58.0	74.80	3586.78	1.49	71.37
11.0-12.0	35.09	222.69	0.70	4.43	58.0-59.0	73.22	3660.00	1.46	72.83
12.0-13.0	37.93	260.63	0.75	5.19	59.0-60.0	71.56	3731.56	1.42	74.25
13.0-14.0	40.73	301.36	0.81	6.00	60.0-61.0	69.83	3801.39	1.39	75.64
14.0-15.0	43.47	344.82	0.86	6.86	61.0-62.0	68.00	3869.40	1.35	76.99
15.0-16.0	46.15	390.97	0.92	7.78	62.0-63.0	66.09	3935.48	1.32	78.31
16.0-17.0	48.77	439.74	0.97	8.75	63.0-64.0	64.09	3999.58	1.28	79.58
17.0-18.0	51.32	491.06	1.02	9.77	64.0-65.0	62.03	4061.60	1.23	80.82
18.0-19.0	53.81	544.88	1.07	10.84	65.0-66.0	59.90	4121.50	1.19	82.01
19.0-20.0	56.23	601.11	1.12	11.96	66.0-67.0	57.72	4179.22	1.15	83.16
20.0-21.0	58.57	659.67	1.17	13.13	67.0-68.0	55.47	4234.69	1.10	84.26
21.0-22.0	60.83	720.50	1.21	14.34	68.0-69.0	53.17	4287.86	1.06	85.32
22.0-23.0	63.01	783.51	1.25	15.59	69.0-70.0	50.81	4338.66	1.01	86.33
23.0-24.0	65.11	848.62	1.30	16.89	70.0-71.0	48.41	4387.07	0.96	87.29
24.0-25.0	67.12	915.73	1.34	18.22	71.0-72.0	45.98	4433.05	0.91	88.21
25.0-26.0	69.04	984.78	1.37	19.59	72.0-73.0	43.53	4476.58	0.87	89.07
26.0-27.0	70.87	1055.65	1.41	21.01	73.0-74.0	41.05	4517.64	0.82	89.89
27.0-28.0	72.60	1128.25	1.44	22.45	74.0-75.0	38.55	4556.19	0.77	90.66
28.0-29.0	74.24	1202.49	1.48	23.93	75.0-76.0	36.03	4592.22	0.72	91.38
29.0-30.0	75.78	1278.27	1.51	25.43	76.0-77.0	33.52	4625.74	0.67	92.04
30.0-31.0	77.22	1355.49	1.54	26.97	77.0-78.0	31.01	4656.75	0.62	92.66
31.0-32.0	78.56	1434.05	1.56	28.53	78.0-79.0	28.53	4685.28	0.57	93.23
32.0-33.0	79.79	1513.84	1.59	30.12	79.0-80.0	26.06	4711.35	0.52	93.75
33.0-34.0	80.92	1594.76	1.61	31.73	80.0-81.0	23.61	4734.95	0.47	94.22
34.0-35.0	81.93	1676.69	1.63	33.36	81.0-82.0	21.18	4756.13	0.42	94.64
35.0-36.0	82.85	1759.54	1.65	35.01	82.0-83.0	18.78	4774.91	0.37	95.01
36.0-37.0	83.65	1843.19	1.66	36.68	83.0-84.0	16.44	4791.36	0.33	95.34
37.0-38.0	84.35	1927.54	1.68	38.35	84.0-85.0	14.16	4805.52	0.28	95.62
38.0-39.0	84.92	2012.46	1.69	40.04	85.0-86.0	11.94	4817.46	0.24	95.86
39.0-40.0	85.38	2097.84	1.70	41.74	86.0-87.0	9.78	4827.24	0.19	96.05
40.0-41.0	85.73	2183.57	1.71	43.45	87.0-88.0	7.74	4834.98	0.15	96.21
41.0-42.0	85.98	2269.55	1.71	45.16	88.0-89.0	5.88	4840.85	0.12	96.32
42.0-43.0	86.11	2355.66	1.71	46.87	89.0-90.0	4.47	4845.32	0.09	96.41
43.0-44.0	86.12	2441.78	1.71	48.59	90.0-91.0	3.81	4849.13	0.08	96.49
44.0-45.0	86.02	2527.80	1.71	50.30	91.0-92.0	3.67	4852.80	0.07	96.56
45.0-46.0	85.80	2613.60	1.71	52.01	92.0-93.0	3.62	4856.43	0.07	96.63
46.0-47.0	85.47	2699.07	1.70	53.71	93.0-94.0	3.58	4860.01	0.07	96.70

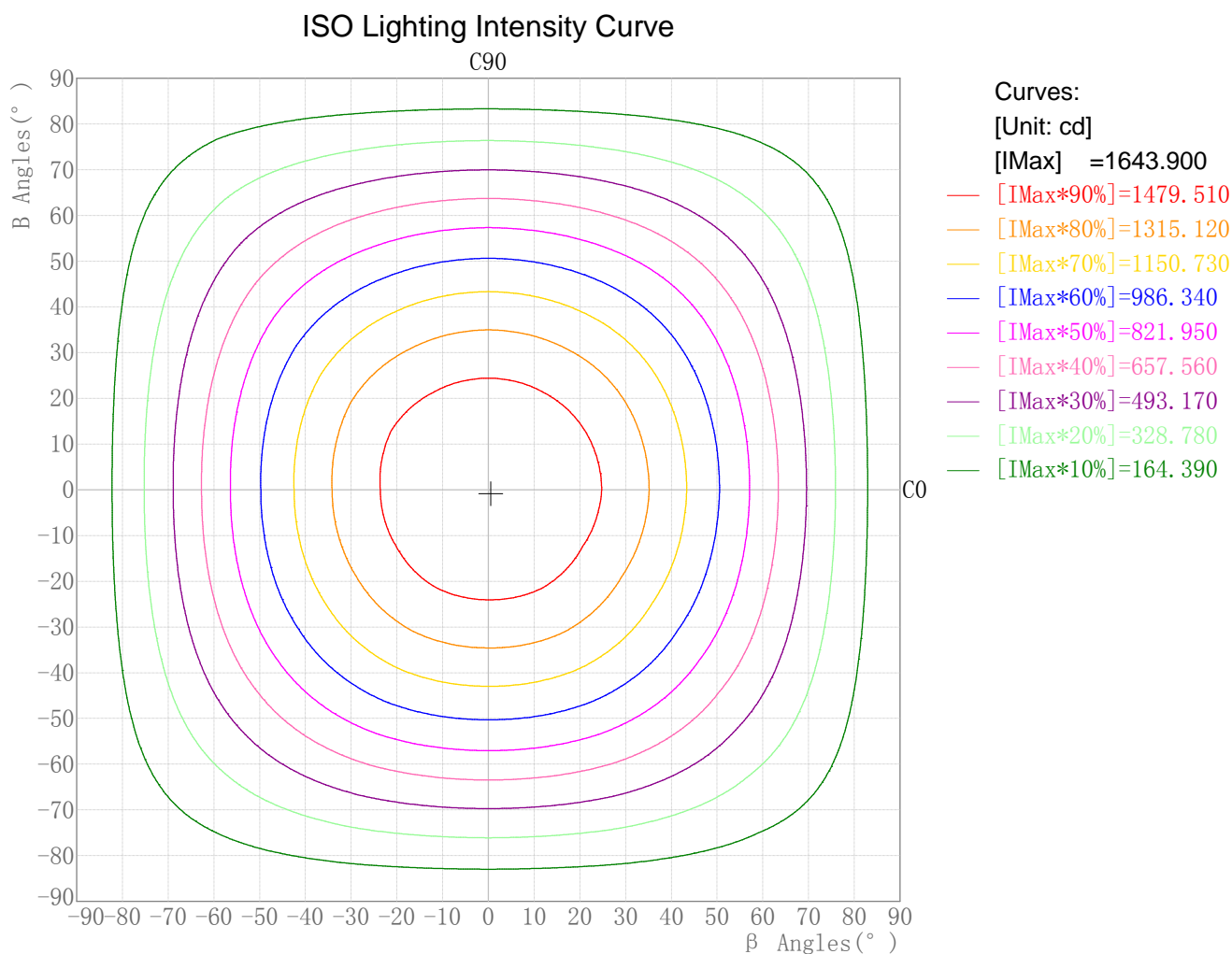
IES Indoor Report
Photometric Filename:LED PANEL.IES

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	3.54	4863.55	0.07	96.77	141.0-142.0	1.84	4988.11	0.04	99.25
95.0-96.0	3.50	4867.05	0.07	96.84	142.0-143.0	1.81	4989.92	0.04	99.29
96.0-97.0	3.46	4870.51	0.07	96.91	143.0-144.0	1.77	4991.69	0.04	99.32
97.0-98.0	3.43	4873.94	0.07	96.98	144.0-145.0	1.74	4993.42	0.03	99.36
98.0-99.0	3.39	4877.33	0.07	97.05	145.0-146.0	1.70	4995.12	0.03	99.39
99.0-100.0	3.35	4880.68	0.07	97.11	146.0-147.0	1.66	4996.78	0.03	99.43
100.0-101.0	3.31	4883.99	0.07	97.18	147.0-148.0	1.62	4998.40	0.03	99.46
101.0-102.0	3.28	4887.27	0.07	97.25	148.0-149.0	1.58	4999.98	0.03	99.49
102.0-103.0	3.24	4890.51	0.06	97.31	149.0-150.0	1.54	5001.53	0.03	99.52
103.0-104.0	3.20	4893.71	0.06	97.37	150.0-151.0	1.50	5003.03	0.03	99.55
104.0-105.0	3.17	4896.88	0.06	97.44	151.0-152.0	1.46	5004.49	0.03	99.58
105.0-106.0	3.13	4900.01	0.06	97.50	152.0-153.0	1.42	5005.91	0.03	99.61
106.0-107.0	3.09	4903.10	0.06	97.56	153.0-154.0	1.37	5007.28	0.03	99.63
107.0-108.0	3.05	4906.15	0.06	97.62	154.0-155.0	1.33	5008.61	0.03	99.66
108.0-109.0	3.01	4909.17	0.06	97.68	155.0-156.0	1.29	5009.90	0.03	99.69
109.0-110.0	2.98	4912.14	0.06	97.74	156.0-157.0	1.24	5011.14	0.02	99.71
110.0-111.0	2.94	4915.08	0.06	97.80	157.0-158.0	1.20	5012.34	0.02	99.73
111.0-112.0	2.90	4917.98	0.06	97.86	158.0-159.0	1.15	5013.49	0.02	99.76
112.0-113.0	2.86	4920.85	0.06	97.91	159.0-160.0	1.10	5014.59	0.02	99.78
113.0-114.0	2.82	4923.67	0.06	97.97	160.0-161.0	1.05	5015.64	0.02	99.80
114.0-115.0	2.78	4926.45	0.06	98.03	161.0-162.0	1.00	5016.65	0.02	99.82
115.0-116.0	2.74	4929.19	0.05	98.08	162.0-163.0	0.95	5017.60	0.02	99.84
116.0-117.0	2.71	4931.90	0.05	98.13	163.0-164.0	0.90	5018.50	0.02	99.86
117.0-118.0	2.67	4934.57	0.05	98.19	164.0-165.0	0.85	5019.36	0.02	99.87
118.0-119.0	2.63	4937.20	0.05	98.24	165.0-166.0	0.80	5020.16	0.02	99.89
119.0-120.0	2.59	4939.79	0.05	98.29	166.0-167.0	0.75	5020.91	0.01	99.91
120.0-121.0	2.56	4942.35	0.05	98.34	167.0-168.0	0.70	5021.61	0.01	99.92
121.0-122.0	2.52	4944.87	0.05	98.39	168.0-169.0	0.64	5022.25	0.01	99.93
122.0-123.0	2.49	4947.36	0.05	98.44	169.0-170.0	0.59	5022.84	0.01	99.94
123.0-124.0	2.45	4949.81	0.05	98.49	170.0-171.0	0.53	5023.37	0.01	99.95
124.0-125.0	2.42	4952.22	0.05	98.54	171.0-172.0	0.48	5023.85	0.01	99.96
125.0-126.0	2.38	4954.60	0.05	98.59	172.0-173.0	0.42	5024.28	0.01	99.97
126.0-127.0	2.35	4956.95	0.05	98.63	173.0-174.0	0.37	5024.65	0.01	99.98
127.0-128.0	2.31	4959.26	0.05	98.68	174.0-175.0	0.31	5024.96	0.01	99.99
128.0-129.0	2.28	4961.54	0.05	98.72	175.0-176.0	0.26	5025.22	0.01	99.99
129.0-130.0	2.24	4963.79	0.04	98.77	176.0-177.0	0.20	5025.42	0.00	99.99
130.0-131.0	2.21	4966.00	0.04	98.81	177.0-178.0	0.14	5025.56	0.00	100.00
131.0-132.0	2.18	4968.17	0.04	98.86	178.0-179.0	0.09	5025.65	0.00	100.00
132.0-133.0	2.15	4970.32	0.04	98.90	179.0-180.0	0.03	5025.67	0.00	100.00
133.0-134.0	2.11	4972.43	0.04	98.94					
134.0-135.0	2.08	4974.51	0.04	98.98					
135.0-136.0	2.04	4976.55	0.04	99.02					
136.0-137.0	2.01	4978.56	0.04	99.06					
137.0-138.0	1.98	4980.54	0.04	99.10					
138.0-139.0	1.94	4982.48	0.04	99.14					
139.0-140.0	1.91	4984.39	0.04	99.18					
140.0-141.0	1.88	4986.27	0.04	99.22					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

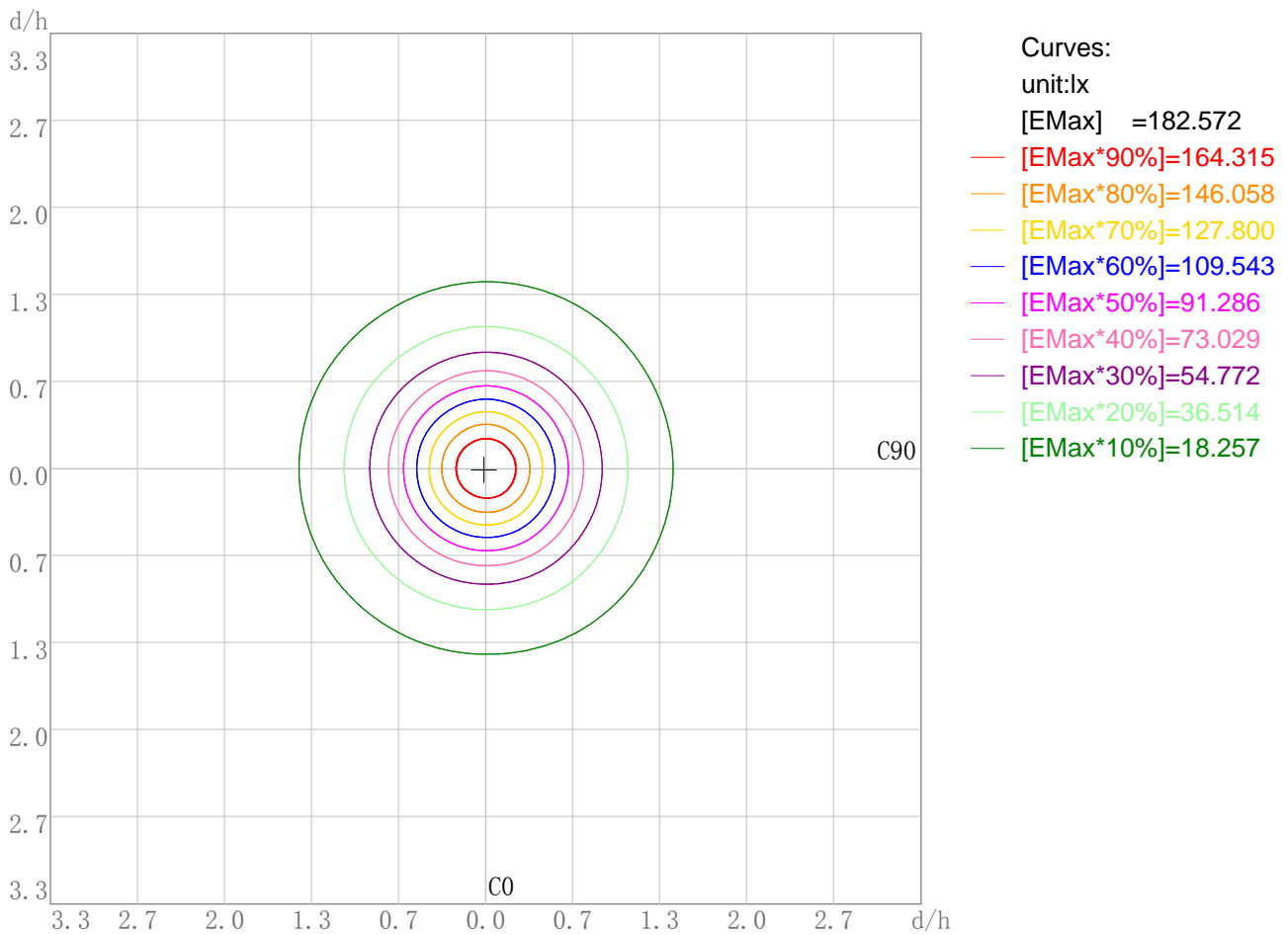


Maximum Light Intensity(cd): 1643.90
Maximum Cand.@Angle: H=0.5°;V=-0.9°

Plane ISO-Illuminance Diagram

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

Plane ISO-Illuminance Curve

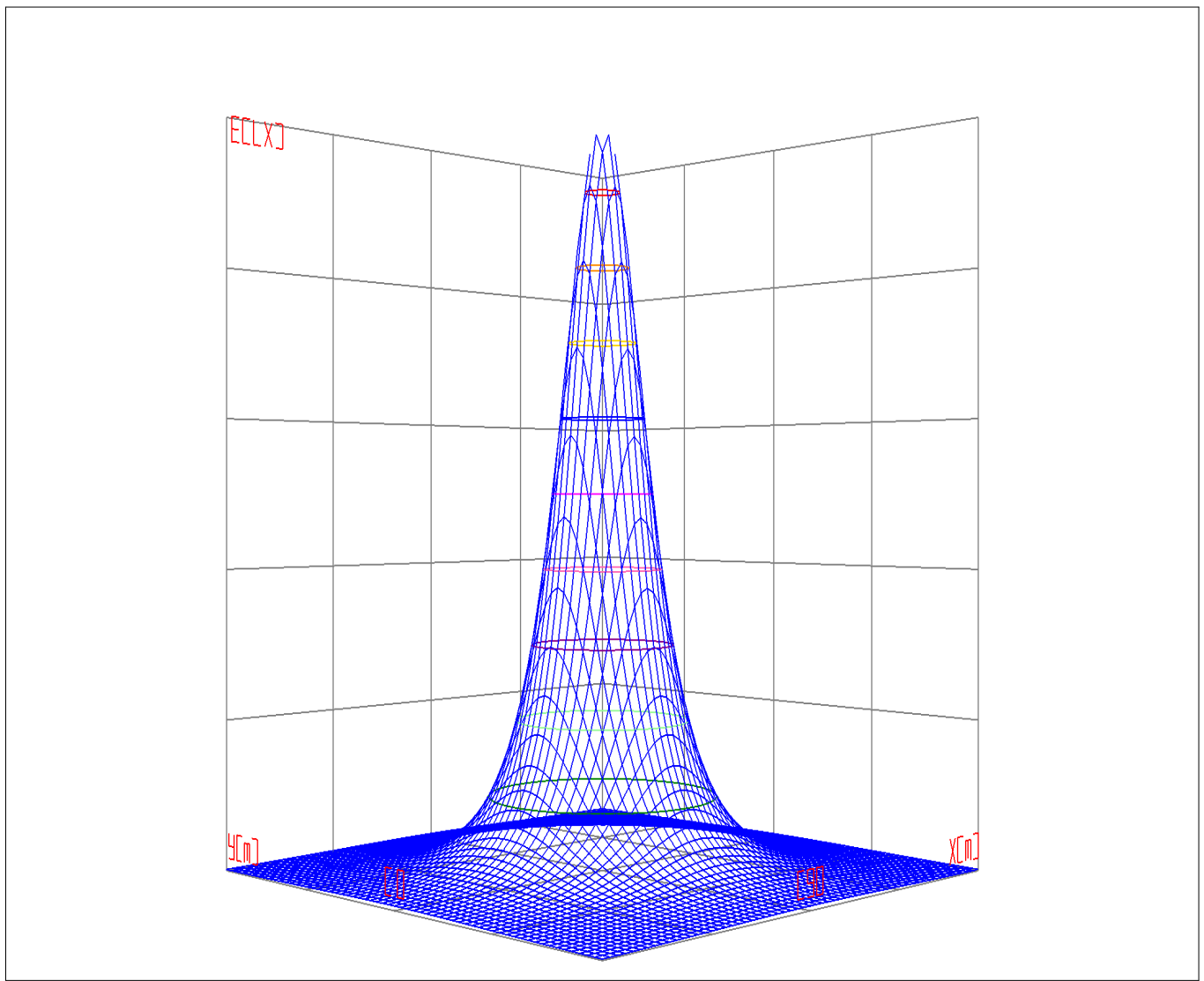


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 182.57
Working Plane Maximum Illuminance Position(d/h):H-0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

3D Plane Illuminance Modal

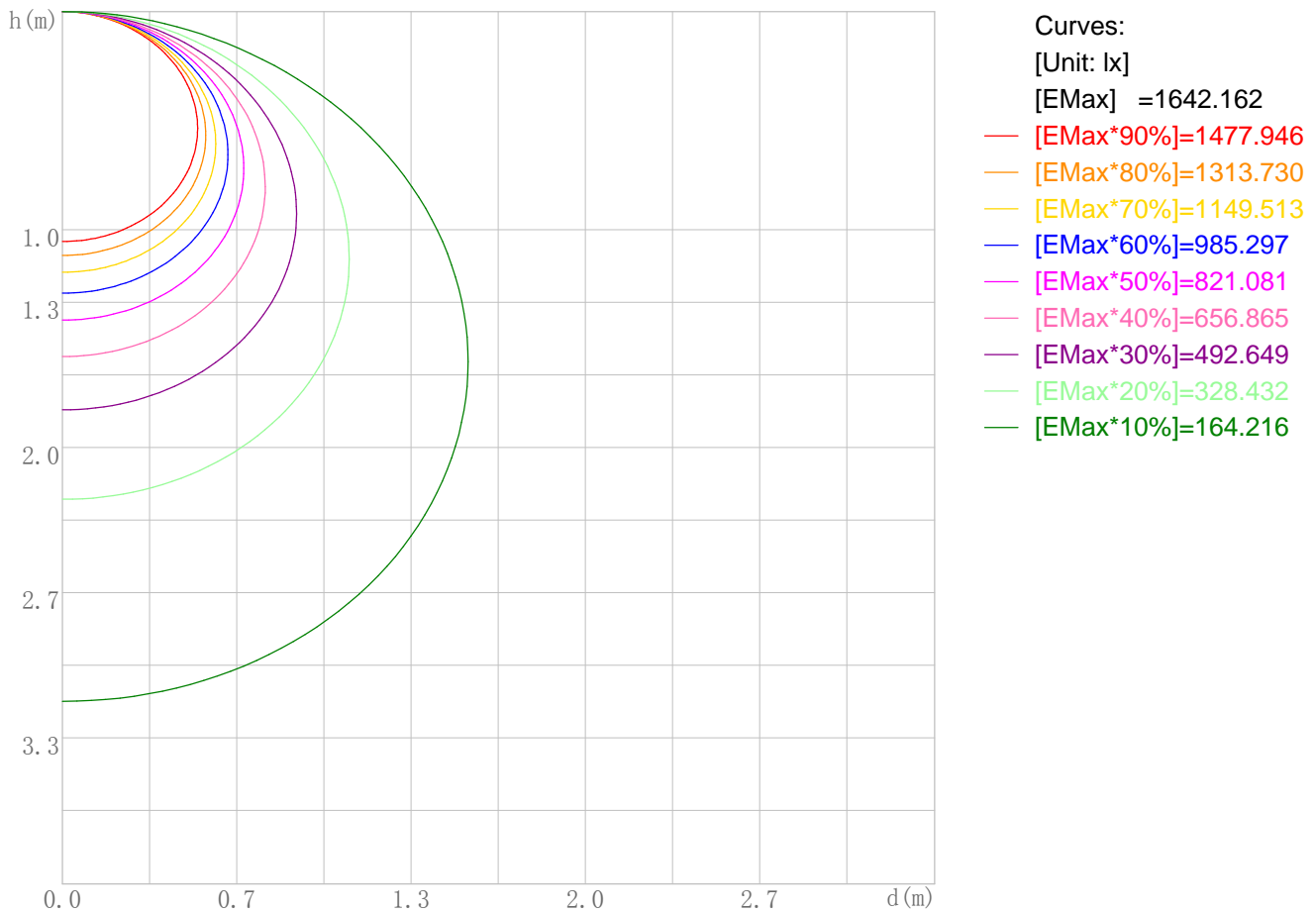


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

Space ISO Illuminance Curve

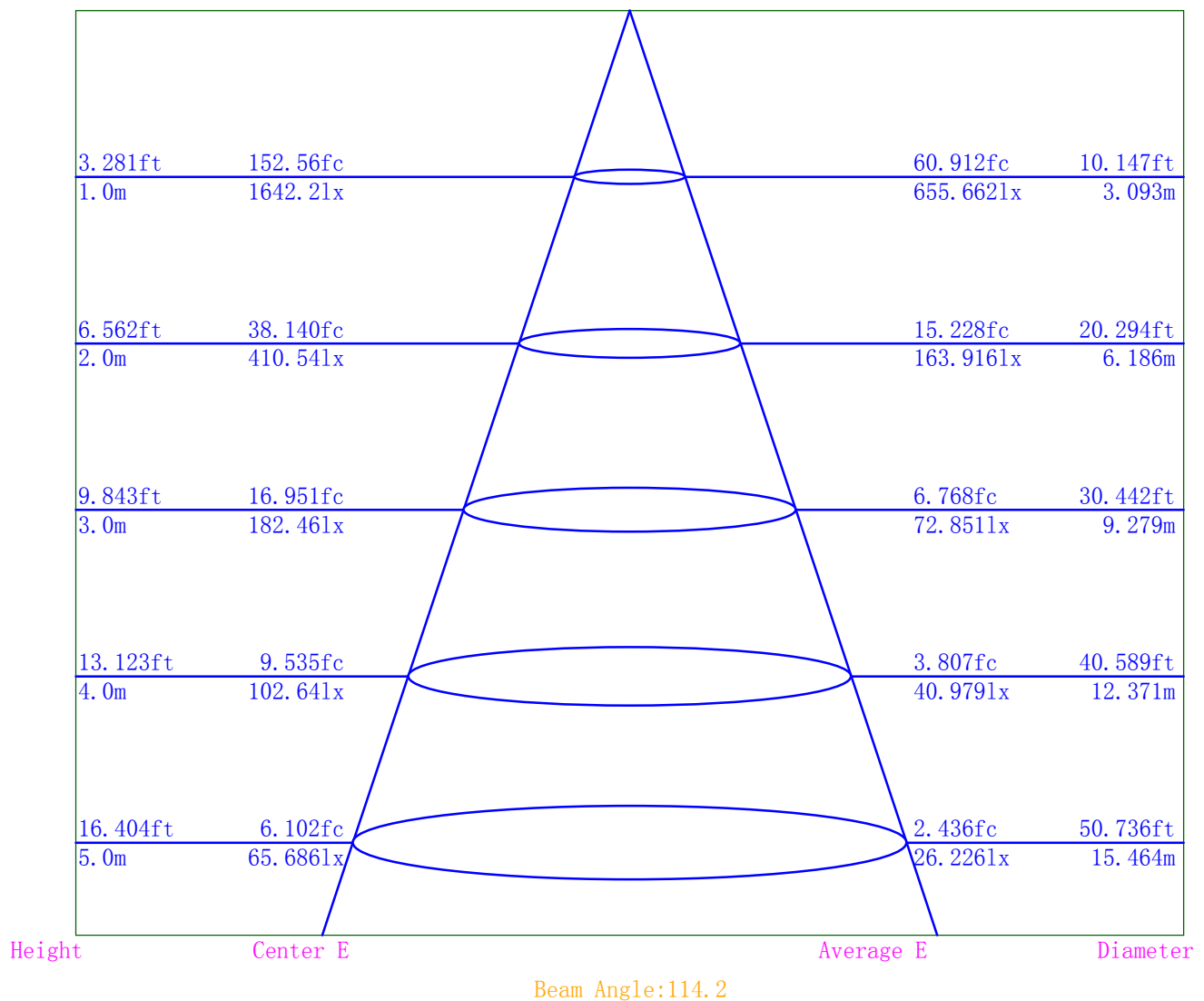


Space Plane Maximum Illuminance and @Angle:1642.16lx,0.0deg
 Plane Maximum Lighting Intensity and @Angle:1642.162cd,0deg

Illuminance-Distance Diagram

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03

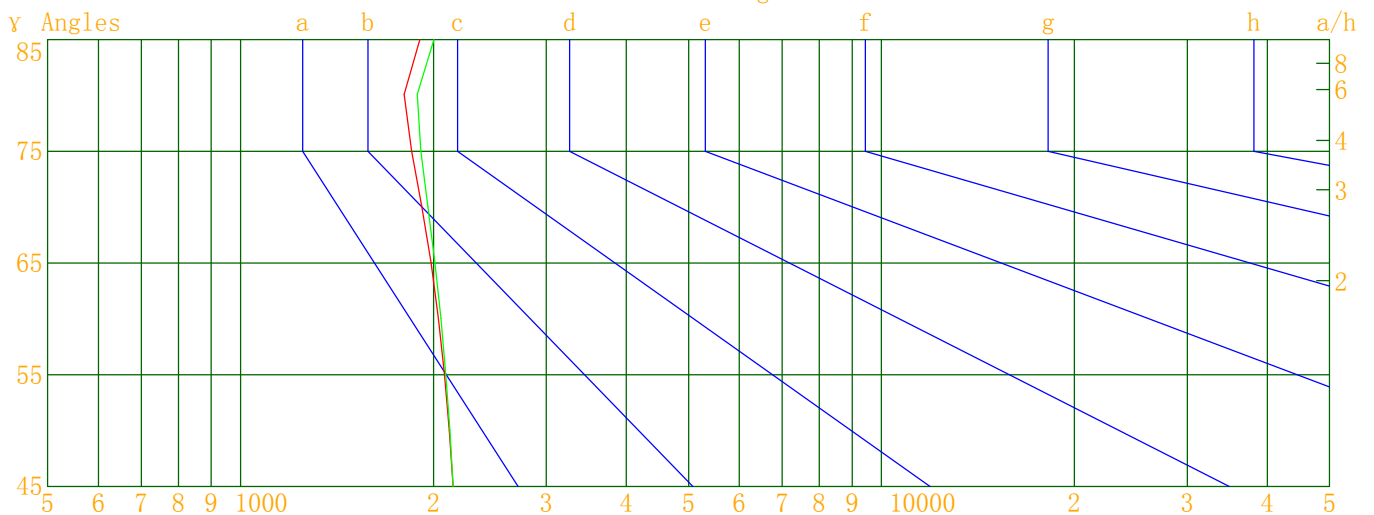
Glare Grade Table

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	2146	2117	2081	2036	1982	1917	1849	1800	1903
C90	2146	2121	2090	2054	2010	1961	1912	1886	2002

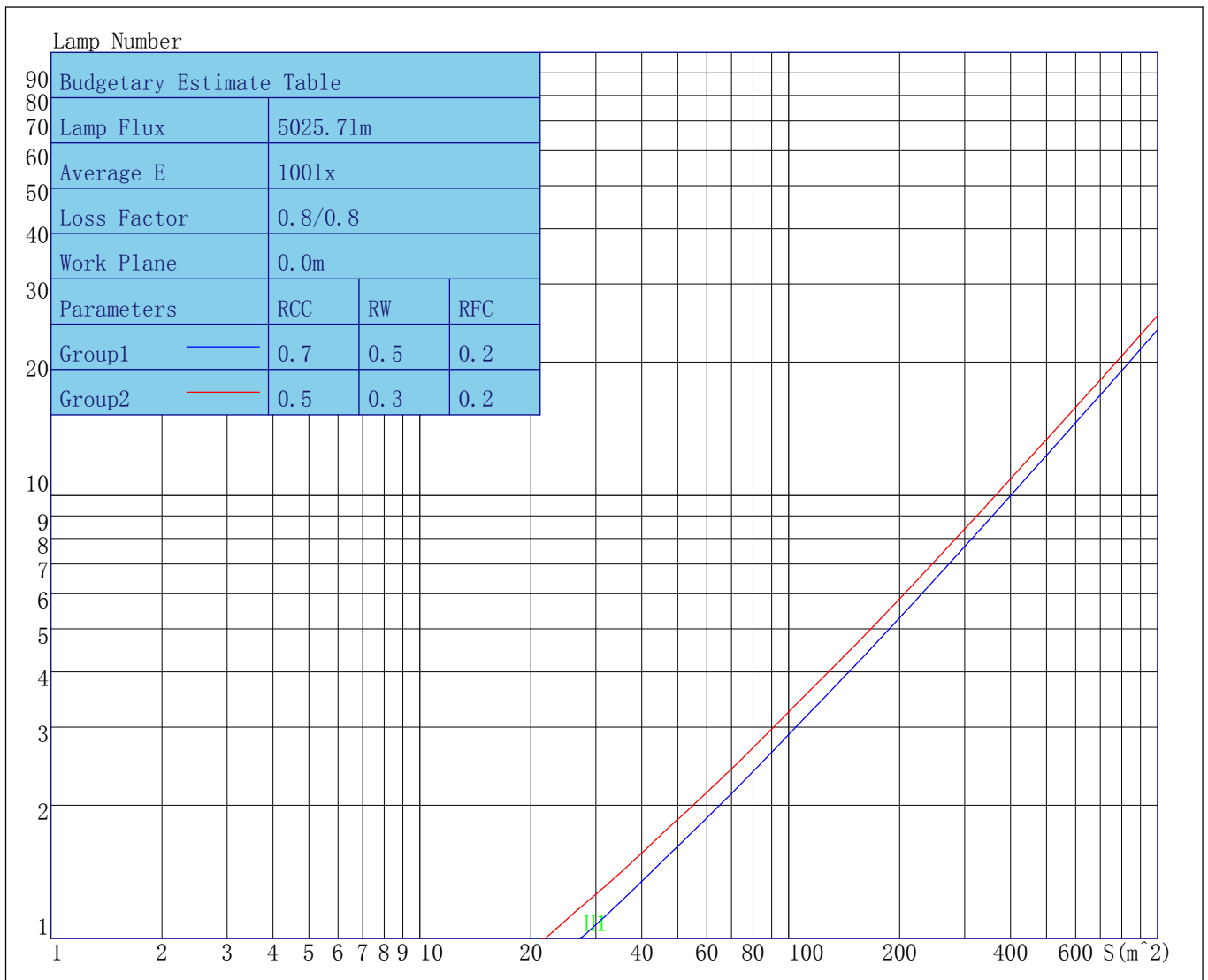
Luminance Limiting Curve



Luminous Size: Length(m)=1.214 Width(m)=0.605 Height(m)=0.000 Area(m²)=0.734470
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2018/07/03



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

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine: GON-2000	Test Date: 2018/07/03

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	107	102	98	94	104	100	96	92	95	92	89	90	88	85	86	84	82	80
2	97	89	82	76	94	87	80	75	83	77	73	79	74	70	75	72	68	66
3	89	78	70	63	86	76	68	62	73	66	61	69	64	59	66	62	58	55
4	81	69	60	53	78	67	59	53	64	57	51	62	55	50	59	54	49	47
5	74	61	52	46	72	60	52	45	58	50	44	55	49	44	53	47	43	40
6	69	55	46	40	67	54	46	39	52	44	39	50	43	38	48	42	37	35
7	64	50	41	35	62	49	41	35	47	40	34	45	39	34	44	38	33	31
8	59	46	37	31	57	45	37	31	43	36	31	42	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	32	27	38	32	27	37	31	27	25
10	52	39	31	25	50	38	30	25	37	30	25	35	29	25	34	29	24	23

IES Indoor Report
Photometric Filename:LED PANEL.IES

Unified Glare Rating Table

Lum. Name: LED PANEL	Lum. Catalog:	Test ID: 001
Lamp Name: SMD	Lamp Catalog: LED	Test Lab: Volnic IES
Manufacture:	Test Machine: GON-2000	Test Date: 2018/07/03

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	14.7	16.2	15.1	16.6	17.0	14.7	16.3	15.2	16.7	17.1
Y=3H	16.4	17.8	16.8	18.2	18.6	16.5	17.9	16.9	18.3	18.7
Y=4H	17.1	18.4	17.6	18.9	19.3	17.2	18.6	17.7	19.0	19.4
Y=6H	17.7	18.9	18.2	19.4	19.8	17.8	19.1	18.3	19.5	20.0
Y=8H	17.9	19.1	18.4	19.6	20.1	18.1	19.3	18.6	19.7	20.2
Y=12H	18.1	19.3	18.6	19.7	20.2	18.3	19.4	18.8	19.9	20.4
X=4H Y=2H	15.4	16.8	15.9	17.2	17.7	15.5	16.8	16.0	17.3	17.7
Y=3H	17.3	18.5	17.8	18.9	19.4	17.4	18.6	17.9	19.0	19.5
Y=4H	18.2	19.2	18.7	19.7	20.2	18.3	19.3	18.8	19.8	20.3
Y=6H	18.9	19.8	19.4	20.3	20.8	19.1	20.0	19.6	20.5	21.0
Y=8H	19.2	20.0	19.7	20.5	21.1	19.4	20.2	19.9	20.7	21.3
Y=12H	19.4	20.2	20.0	20.7	21.3	19.6	20.4	20.2	20.9	21.5
X=8H Y=4H	18.5	19.4	19.1	19.9	20.4	18.7	19.5	19.2	20.0	20.6
Y=6H	19.4	20.1	20.0	20.7	21.3	19.6	20.3	20.1	20.8	21.5
Y=8H	19.8	20.4	20.4	21.0	21.6	20.0	20.6	20.6	21.2	21.8
Y=12H	20.2	20.7	20.7	21.3	21.9	20.4	20.9	20.9	21.5	22.1
X=12H Y=4H	18.6	19.4	19.1	19.9	20.4	18.7	19.5	19.3	20.0	20.6
Y=6H	19.5	20.1	20.1	20.7	21.3	19.7	20.3	20.3	20.8	21.5
Y=8H	20.0	20.5	20.5	21.1	21.7	20.2	20.7	20.7	21.3	21.9
Variations with the objverver position at spacings										
S=1.0H	0.4/-0.4					0.4/-0.4				
S=1.5H	0.7/-0.8					0.7/-0.7				
S=2.0H	0.8/-1.0					0.8/-0.9				
Reduced UGR Table:										
Nordic Standard Table:	BKO					BKO				
Correction Value	3.2					3.3				

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

IES Indoor Report
Photometric Filename:LED PANEL.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	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16	1642.16
Y 1.0	1642.07	1639.82	1641.71	1642.00	1643.73	1643.14	1641.28	1639.13	1641.70	1641.88	1643.90	1642.82
Y 2.0	1641.56	1639.32	1641.21	1641.36	1642.72	1642.46	1640.19	1637.94	1640.81	1640.87	1642.93	1641.69
Y 3.0	1640.60	1638.27	1639.71	1639.92	1641.25	1641.39	1638.42	1636.24	1639.43	1639.46	1641.49	1640.04
Y 4.0	1638.85	1636.70	1637.78	1638.07	1639.25	1639.31	1635.99	1633.86	1637.28	1637.32	1639.59	1637.89
Y 5.0	1636.77	1634.27	1635.31	1635.79	1636.72	1637.17	1633.09	1630.99	1634.57	1634.59	1637.21	1635.23
Y 6.0	1633.94	1631.59	1632.36	1632.80	1633.53	1634.27	1629.68	1627.47	1631.46	1631.49	1633.94	1631.93
Y 7.0	1630.75	1628.27	1628.76	1629.28	1629.95	1630.75	1625.65	1623.57	1627.60	1627.75	1630.46	1628.10
Y 8.0	1626.77	1624.40	1624.46	1625.05	1625.54	1626.77	1621.02	1619.08	1623.40	1623.40	1626.09	1623.77
Y 9.0	1622.29	1619.95	1619.70	1620.19	1620.79	1622.19	1615.85	1613.96	1618.50	1618.38	1621.39	1618.70
Y 10.0	1617.22	1615.03	1614.48	1615.14	1615.40	1616.94	1610.26	1608.11	1613.09	1613.09	1615.85	1613.15
Y 11.0	1611.82	1609.39	1608.56	1609.17	1609.39	1611.33	1603.90	1602.08	1607.00	1607.06	1610.15	1606.93
Y 12.0	1605.67	1603.31	1602.38	1602.88	1603.20	1605.16	1597.22	1595.24	1600.43	1600.55	1603.76	1600.32
Y 13.0	1599.08	1596.70	1595.40	1596.00	1596.16	1598.28	1589.94	1588.00	1593.77	1593.51	1596.66	1593.18
Y 14.0	1591.77	1589.46	1587.88	1588.49	1588.38	1591.13	1582.18	1580.17	1586.03	1585.84	1589.49	1585.41
Y 15.0	1583.92	1581.63	1579.88	1580.41	1580.48	1583.06	1573.81	1571.89	1577.94	1577.35	1581.21	1577.02
Y 16.0	1575.56	1573.17	1571.19	1571.96	1571.81	1574.71	1564.85	1562.95	1569.20	1568.64	1572.59	1568.31
Y 17.0	1566.98	1564.35	1562.18	1562.91	1562.65	1565.76	1555.27	1553.51	1559.83	1559.53	1563.27	1558.88
Y 18.0	1557.51	1554.93	1552.58	1553.46	1553.18	1556.37	1545.40	1543.55	1550.14	1549.47	1553.70	1548.93
Y 19.0	1547.54	1545.21	1542.38	1543.26	1542.89	1546.40	1535.03	1533.20	1539.96	1539.38	1543.44	1538.62
Y 20.0	1537.01	1534.56	1531.58	1533.19	1532.02	1535.90	1524.08	1522.19	1529.40	1528.53	1532.71	1527.70
Y 21.0	1525.93	1523.39	1520.56	1521.57	1520.77	1524.76	1512.36	1510.66	1518.06	1517.02	1521.75	1515.98
Y 22.0	1514.37	1511.98	1508.72	1509.76	1508.98	1513.10	1500.35	1498.53	1506.26	1505.19	1509.99	1503.87
Y 23.0	1502.18	1499.80	1496.55	1497.66	1496.79	1501.06	1487.67	1485.95	1493.73	1492.73	1497.46	1491.41
Y 24.0	1489.78	1487.45	1484.02	1485.08	1483.97	1488.50	1474.68	1473.01	1481.10	1480.05	1484.37	1478.44
Y 25.0	1476.68	1474.28	1470.75	1472.00	1470.81	1475.53	1461.08	1459.52	1467.95	1466.81	1471.22	1464.93
Y 26.0	1462.86	1460.70	1456.99	1458.23	1457.13	1461.94	1447.16	1445.49	1454.31	1452.99	1457.77	1451.05
Y 27.0	1448.77	1446.47	1442.76	1444.15	1442.87	1447.86	1432.75	1431.02	1439.98	1438.76	1443.37	1436.39
Y 28.0	1434.19	1431.77	1428.14	1429.53	1428.06	1433.02	1417.67	1415.97	1425.15	1423.26	1428.49	1421.21
Y 29.0	1419.04	1416.81	1413.22	1414.48	1413.14	1418.16	1402.03	1400.55	1409.65	1407.97	1413.21	1405.65
Y 30.0	1403.37	1401.68	1397.61	1398.98	1397.45	1402.55	1386.18	1384.76	1394.16	1392.28	1397.56	1389.70
Y 31.0	1387.19	1385.46	1381.24	1383.14	1381.33	1386.69	1369.83	1368.41	1378.10	1376.82	1381.50	1373.42
Y 32.0	1370.52	1369.00	1364.56	1366.59	1364.45	1370.30	1353.03	1351.59	1361.57	1360.18	1365.02	1356.56
Y 33.0	1353.35	1351.91	1347.51	1349.65	1347.43	1353.16	1335.75	1334.40	1344.62	1343.17	1347.90	1339.09
Y 34.0	1335.73	1334.46	1329.93	1332.25	1330.06	1335.75	1318.09	1316.63	1327.05	1325.30	1330.30	1321.31
Y 35.0	1318.04	1316.66	1312.18	1314.67	1312.34	1318.06	1299.60	1298.55	1309.00	1307.58	1312.28	1302.92
Y 36.0	1299.72	1298.31	1293.95	1296.67	1293.93	1299.87	1281.06	1280.13	1290.58	1289.27	1293.87	1284.43
Y 37.0	1280.77	1279.63	1275.17	1277.94	1275.34	1281.31	1262.16	1261.12	1272.15	1270.54	1275.11	1265.33
Y 38.0	1261.36	1260.48	1255.87	1259.06	1256.07	1262.23	1242.83	1241.95	1253.24	1251.68	1255.81	1245.88
Y 39.0	1241.67	1240.54	1236.31	1239.25	1236.31	1242.42	1222.95	1222.22	1233.52	1232.04	1236.27	1225.86
Y 40.0	1221.47	1220.53	1216.31	1219.41	1216.57	1222.47	1202.63	1201.95	1213.44	1211.84	1216.29	1205.45
Y 41.0	1201.15	1200.14	1196.19	1199.34	1196.24	1202.22	1181.90	1181.32	1192.85	1191.48	1195.76	1184.67
Y 42.0	1180.23	1179.38	1175.54	1178.98	1175.66	1181.49	1160.90	1160.54	1172.11	1171.00	1174.98	1163.74
Y 43.0	1158.76	1158.21	1154.43	1158.00	1154.50	1160.60	1139.59	1139.36	1151.19	1149.97	1153.77	1142.19
Y 44.0	1136.81	1136.63	1132.69	1136.42	1132.69	1139.02	1117.67	1117.74	1129.99	1128.46	1132.44	1120.46
Y 45.0	1114.65	1114.44	1110.62	1114.51	1111.01	1116.80	1095.93	1095.76	1108.09	1106.84	1110.52	1098.27
Y 46.0	1092.27	1092.04	1088.61	1092.48	1088.82	1094.63	1073.22	1073.15	1086.08	1084.54	1088.17	1075.60

IES Indoor Report
Photometric Filename:LED PANEL.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	1069.69	1069.35	1066.28	1070.12	1066.55	1072.10	1050.10	1050.72	1063.15	1062.14	1065.39	1052.63
Y 48.0	1046.78	1046.38	1043.62	1047.63	1043.89	1049.23	1027.13	1027.71	1040.44	1039.49	1042.40	1029.77
Y 49.0	1023.26	1023.33	1020.46	1024.65	1020.73	1026.32	1003.87	1004.68	1017.52	1016.61	1019.36	1006.50
Y 50.0	999.38	999.55	996.76	1001.36	997.39	1002.54	980.22	981.36	994.34	993.39	995.95	982.83
Y 51.0	975.27	975.39	972.99	977.40	973.40	978.43	956.28	957.50	970.66	969.67	972.29	958.72
Y 52.0	950.93	951.18	949.04	953.46	949.52	954.15	931.77	933.00	946.71	945.51	948.14	934.22
Y 53.0	926.37	926.73	925.09	929.42	925.45	929.80	906.92	908.73	921.93	921.58	923.39	909.72
Y 54.0	901.67	902.04	900.64	905.22	901.33	905.28	881.85	884.18	897.64	897.47	898.97	884.98
Y 55.0	876.51	877.13	875.94	880.62	876.61	880.67	857.18	859.32	873.15	872.95	874.58	860.16
Y 56.0	850.96	851.76	850.72	855.82	851.46	855.01	831.90	834.26	848.25	848.23	849.65	835.08
Y 57.0	825.26	826.05	825.53	830.44	824.89	829.61	806.43	809.04	823.17	822.88	824.49	809.53
Y 58.0	799.55	800.19	800.06	805.15	800.96	803.86	780.53	783.16	797.86	797.72	799.04	783.68
Y 59.0	773.67	774.36	774.47	779.60	775.72	778.13	754.24	757.58	772.00	772.32	773.17	758.01
Y 60.0	747.65	748.53	749.04	754.33	750.14	752.23	728.28	731.68	746.12	746.95	747.28	732.12
Y 61.0	721.38	722.29	723.32	728.50	724.63	726.67	702.29	705.84	720.35	721.09	721.79	706.12
Y 62.0	694.79	695.88	696.93	702.66	698.51	699.97	676.10	679.95	694.75	695.55	695.81	680.03
Y 63.0	668.18	669.25	670.85	676.43	672.26	673.38	649.54	653.54	668.66	669.64	669.72	653.82
Y 64.0	641.65	642.57	644.84	650.32	646.34	646.87	622.90	626.92	642.28	643.39	643.39	627.16
Y 65.0	615.21	615.85	618.80	623.94	620.35	620.41	596.06	600.54	615.72	617.22	616.68	600.85
Y 66.0	588.51	589.46	592.32	597.83	594.15	594.03	569.49	574.14	589.49	590.91	590.31	574.30
Y 67.0	561.86	562.92	566.04	571.57	567.77	567.59	543.18	547.98	563.28	564.73	564.06	548.11
Y 68.0	534.84	536.18	539.28	545.32	541.30	541.17	516.75	521.66	537.02	538.63	537.83	521.82
Y 69.0	508.07	509.35	513.07	518.76	515.05	514.45	490.38	495.37	510.70	512.23	511.44	495.21
Y 70.0	481.56	482.84	486.72	492.49	488.86	487.95	464.06	468.75	484.29	485.73	485.01	468.72
Y 71.0	455.35	456.36	460.89	466.58	463.05	461.79	437.36	442.81	457.51	459.66	458.29	442.52
Y 72.0	429.19	430.27	434.97	440.47	437.15	435.70	411.13	416.90	431.43	433.71	431.97	416.59
Y 73.0	403.10	404.15	408.98	414.74	411.50	409.83	385.61	391.11	405.65	407.87	406.14	390.87
Y 74.0	377.09	378.39	383.11	389.14	385.61	383.99	360.30	365.58	379.94	382.30	380.39	365.40
Y 75.0	351.43	352.57	357.59	363.37	360.19	358.38	334.82	340.33	354.24	356.84	354.66	339.89
Y 76.0	326.22	327.07	332.61	338.12	335.23	333.19	309.82	315.16	328.76	331.39	329.16	314.36
Y 77.0	301.44	302.36	307.96	313.31	310.68	308.36	285.05	290.33	303.41	306.33	303.68	289.78
Y 78.0	277.29	277.95	283.77	288.82	286.22	284.13	260.85	266.23	278.60	281.65	278.77	265.51
Y 79.0	253.38	254.00	259.64	264.61	262.14	260.26	237.49	242.68	254.51	257.57	254.51	241.62
Y 80.0	229.62	231.32	235.52	240.60	238.11	236.88	214.57	219.38	230.65	233.60	230.67	218.15
Y 81.0	206.62	207.31	212.23	216.97	214.74	213.60	192.01	196.53	207.26	209.92	207.06	194.94
Y 82.0	184.35	184.88	189.40	193.88	191.75	191.83	169.95	174.07	183.94	186.61	183.69	172.25
Y 83.0	162.84	163.07	167.06	171.37	169.51	169.37	148.25	152.47	161.18	163.91	160.71	150.21
Y 84.0	142.00	141.99	145.53	149.39	147.60	147.88	127.67	131.32	139.28	141.86	138.56	128.82
Y 85.0	121.84	121.63	124.35	128.17	126.11	127.11	107.76	111.04	117.93	120.28	117.22	108.36
Y 86.0	102.18	101.99	103.58	107.31	105.25	107.04	88.68	91.37	97.42	99.21	96.45	88.54
Y 87.0	83.79	83.14	83.94	86.98	85.21	87.70	70.37	72.58	77.53	78.75	76.38	69.87
Y 88.0	66.69	65.89	65.47	68.06	66.58	70.93	53.25	54.92	58.56	58.83	57.36	51.91
Y 89.0	53.15	51.80	50.56	50.64	51.15	54.28	38.10	39.39	41.41	41.00	40.29	36.80
Y 90.0	45.09	43.30	44.14	41.89	44.08	43.50	27.98	28.91	28.11	27.89	27.08	27.41
Y 91.0	42.85	41.11	43.09	41.46	43.13	41.46	24.09	25.86	24.17	26.55	24.39	26.29
Y 92.0	42.21	40.57	42.51	41.01	42.47	40.89	23.73	25.39	24.06	26.09	24.27	25.99
Y 93.0	41.60	40.17	41.96	40.51	41.89	40.38	23.57	25.13	23.88	25.83	24.08	25.69

IES Indoor Report
Photometric Filename:LED PANEL.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	41.01	39.72	41.57	40.07	41.37	40.01	23.36	24.90	23.57	25.65	23.92	25.26
Y 95.0	40.38	39.38	40.89	39.72	40.86	39.52	23.23	24.67	23.58	25.28	23.78	25.18
Y 96.0	39.92	38.87	40.53	39.38	40.39	39.14	23.27	24.43	23.41	25.14	23.74	25.01
Y 97.0	39.50	38.51	40.08	38.88	39.91	38.68	23.24	24.35	23.42	24.97	23.63	24.76
Y 98.0	39.05	38.03	39.62	38.50	39.40	38.27	23.13	24.21	23.33	24.72	23.58	24.56
Y 99.0	38.53	37.66	39.14	38.19	39.01	37.90	23.16	24.08	23.41	24.59	23.41	24.50
Y 100.0	38.14	37.19	38.67	37.81	38.48	37.53	23.00	23.91	23.23	24.50	23.37	24.33
Y 101.0	37.72	36.86	38.25	37.44	38.11	37.18	22.95	23.83	23.11	24.33	23.30	24.28
Y 102.0	37.32	36.47	37.87	37.00	37.71	36.82	22.95	23.77	23.01	24.22	23.26	24.20
Y 103.0	36.92	36.11	37.46	36.67	37.31	36.50	22.94	23.72	22.90	24.10	23.19	24.07
Y 104.0	36.52	35.74	37.09	36.33	36.96	36.03	22.93	23.60	22.74	23.97	23.12	24.09
Y 105.0	36.21	35.41	36.69	35.90	36.55	35.72	23.01	23.52	22.77	23.86	23.06	23.97
Y 106.0	35.80	35.09	36.21	35.57	36.11	35.37	22.95	23.48	22.72	23.80	23.02	23.85
Y 107.0	35.50	34.73	35.80	35.19	35.76	35.03	22.86	23.42	22.66	23.67	23.01	23.86
Y 108.0	35.11	34.37	35.45	34.84	35.42	34.67	22.93	23.38	22.63	23.48	22.90	23.76
Y 109.0	34.79	34.11	35.14	34.43	35.06	34.32	22.91	23.39	22.55	23.51	22.85	23.73
Y 110.0	34.43	33.78	34.83	34.15	34.66	34.02	22.85	23.40	22.61	23.44	22.78	23.73
Y 111.0	34.01	33.42	34.37	33.81	34.28	33.68	22.84	23.45	22.61	23.40	22.76	23.59
Y 112.0	33.68	33.02	34.12	33.37	34.01	33.38	22.78	23.37	22.63	23.39	22.87	23.58
Y 113.0	33.32	32.78	33.70	33.11	33.57	33.01	22.77	23.30	22.61	23.32	22.75	23.66
Y 114.0	32.94	32.32	33.30	32.74	33.26	32.73	22.81	23.30	22.54	23.25	22.73	23.58
Y 115.0	32.62	32.07	32.96	32.36	32.93	32.44	22.85	23.33	22.51	23.23	22.76	23.59
Y 116.0	32.37	31.79	32.63	32.11	32.62	32.16	22.77	23.24	22.55	23.20	22.71	23.54
Y 117.0	32.03	31.59	32.33	31.63	32.30	31.92	22.79	23.34	22.52	23.19	22.80	23.60
Y 118.0	31.74	31.32	32.02	31.44	32.07	31.66	22.86	23.29	22.59	23.14	22.78	23.64
Y 119.0	31.42	30.98	31.58	31.17	31.79	31.42	22.77	23.33	22.47	23.09	22.71	23.65
Y 120.0	31.33	30.75	31.40	30.91	31.43	31.15	22.96	23.32	22.59	23.10	22.80	23.69
Y 121.0	31.07	30.45	31.11	30.58	31.25	30.98	23.04	23.32	22.72	23.10	22.78	23.74
Y 122.0	30.78	30.28	30.86	30.34	31.01	30.73	23.09	23.48	22.66	23.06	22.76	23.85
Y 123.0	30.58	30.08	30.68	30.27	30.76	30.52	23.13	23.56	22.80	23.17	22.84	23.90
Y 124.0	30.43	29.85	30.40	29.93	30.64	30.35	23.07	23.58	22.86	23.15	22.83	23.82
Y 125.0	30.20	29.71	30.22	29.81	30.41	30.24	23.34	23.64	22.84	23.15	22.98	23.96
Y 126.0	30.16	29.56	30.06	29.68	30.18	30.07	23.38	23.67	22.87	23.17	23.02	24.00
Y 127.0	29.88	29.35	29.84	29.42	30.04	29.82	23.43	23.71	23.00	23.30	23.10	24.06
Y 128.0	29.84	29.20	29.77	29.32	29.79	29.73	23.52	23.79	23.08	23.40	23.23	24.19
Y 129.0	29.67	29.08	29.68	29.14	29.74	29.59	23.69	23.89	23.18	23.38	23.27	24.19
Y 130.0	29.53	28.93	29.54	29.08	29.52	29.38	23.73	23.84	23.29	23.47	23.40	24.23
Y 131.0	29.41	28.95	29.44	28.95	29.35	29.28	23.97	24.05	23.45	23.66	23.51	24.41
Y 132.0	29.30	28.88	29.32	28.85	29.32	29.24	23.97	24.14	23.49	23.64	23.58	24.48
Y 133.0	29.29	28.84	29.25	28.81	29.23	29.14	24.16	24.19	23.59	23.81	23.75	24.50
Y 134.0	29.10	28.77	29.23	28.74	29.08	29.02	24.23	24.30	23.64	23.88	23.95	24.69
Y 135.0	28.98	28.66	29.17	28.69	29.08	28.94	24.39	24.33	23.80	24.05	23.99	24.70
Y 136.0	28.95	28.56	29.18	28.66	28.94	28.85	24.56	24.40	23.86	24.22	24.19	24.84
Y 137.0	28.88	28.61	29.10	28.64	28.92	28.86	24.69	24.54	24.07	24.38	24.26	24.95
Y 138.0	28.92	28.56	29.17	28.61	28.95	28.73	24.83	24.70	24.21	24.49	24.43	25.05
Y 139.0	28.87	28.59	29.08	28.64	28.89	28.71	24.91	24.88	24.29	24.66	24.67	25.30
Y 140.0	28.74	28.54	29.13	28.67	28.79	28.71	25.04	24.92	24.44	24.89	24.86	25.35

