

Indoor Luminaire Photometric Data

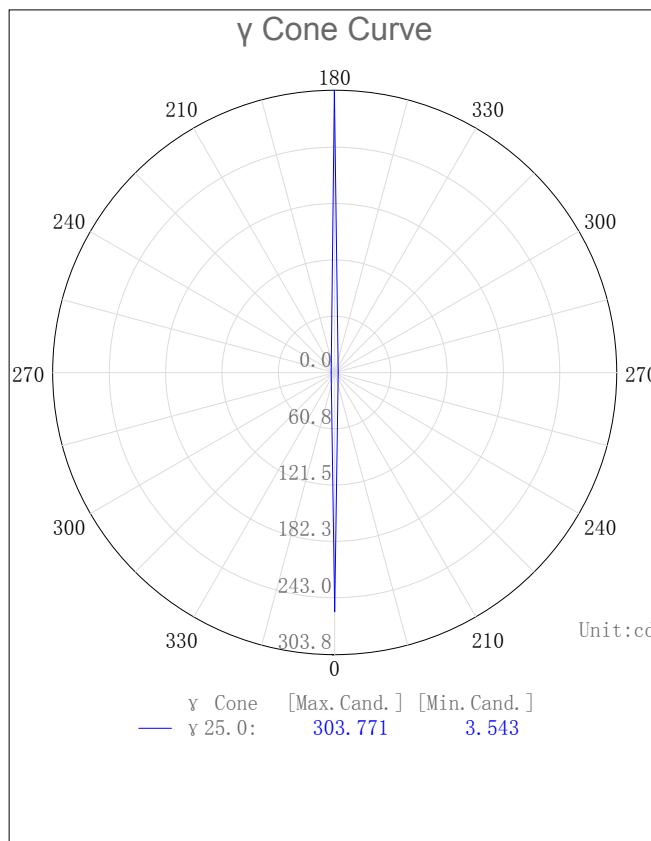
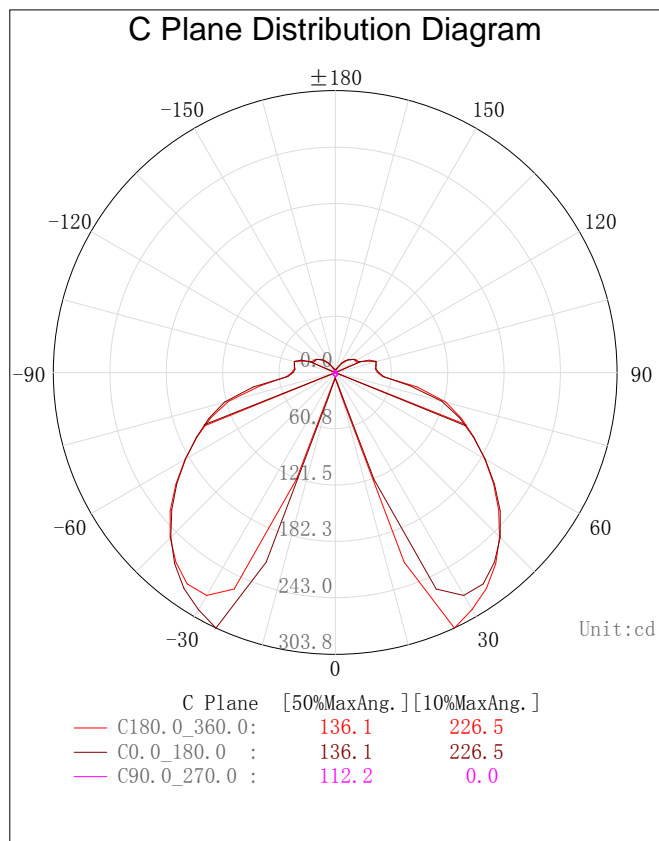
Description Information

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Date: 2020/10/22
Manufacture:	ShldAngle(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.200m*0.070m*0.100m	Lum. Area(m2):0.021	Lum. W(kg): 2.000
Test System: C, γ	Test Step: C=90.0 γ=5.0	Temp.(°C): 25
		Humidity(%):

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 618.520	Luminaire Flux: 618.517lm	Field Angle(10%Imax): 226.5	
Rated Power(W):	Luminaire Efficiency: 100.00%	Down Lumens&Percent: 529.755lm 85.65%	
Rated Voltage(V):	Luminaire EER(lm/W): 63.725	Up Lumens&Percent: 88.762lm 14.35%	
Tested Power(W): 9.706	Max. Cand. (cd): 303.771	S/MH: C0_a180=7.142 C90_270=1.009	
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=25.0	CIE Type: General Diffuse	
Tested Electric:U=240.1V, I=0.042A, PF=0.000	Beam Angle(50%Imax): 136.1	ErP Φuse(120°): 354.470lm	
Lamp Size(W*L*H):0.200m*0.070m*0.100m	Left=-67.8 Right=68.2	IRF: 168.193%	

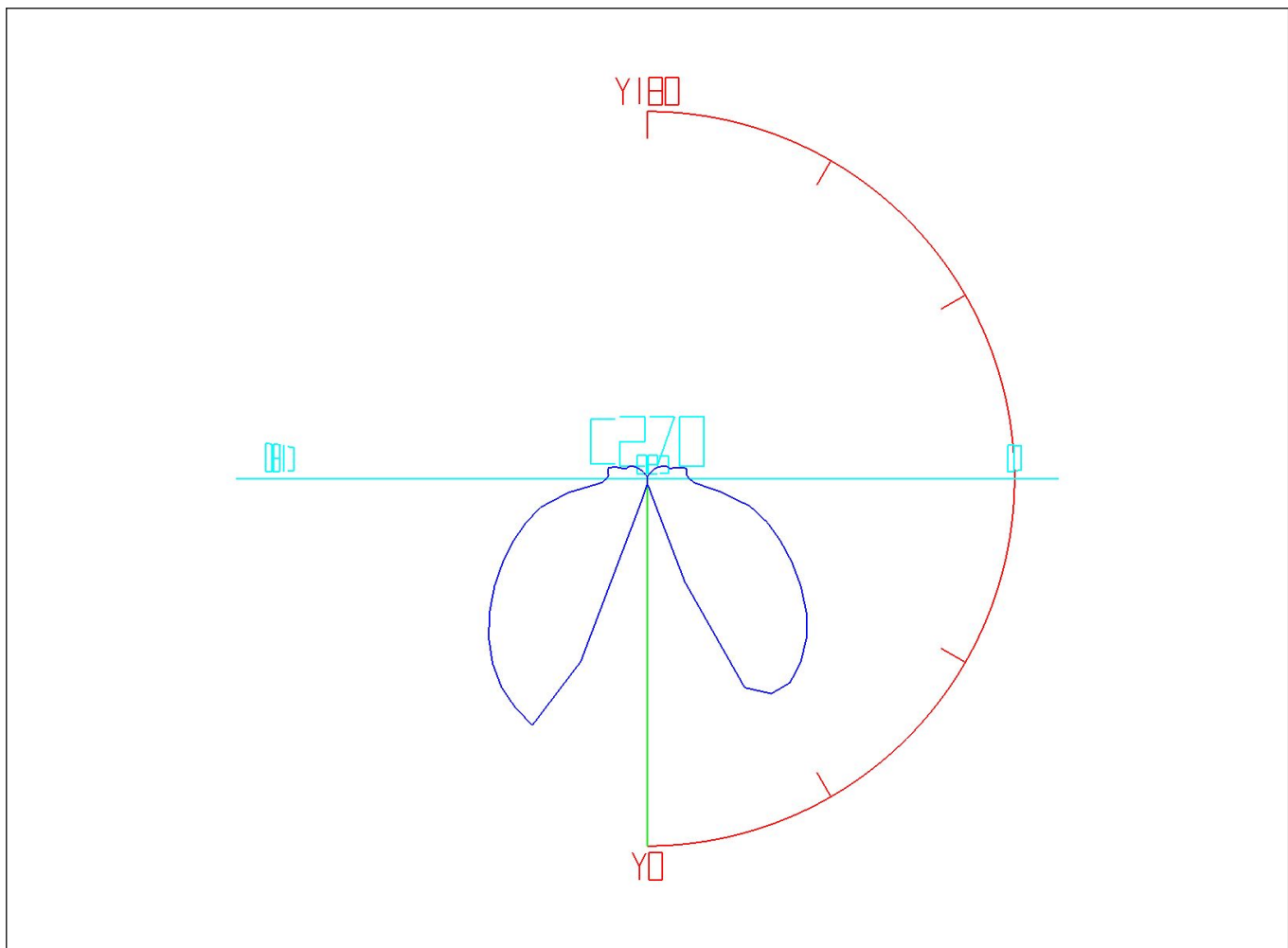
Lighting Distribution Diagram



3D Light Intensity Distribution Modal

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

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

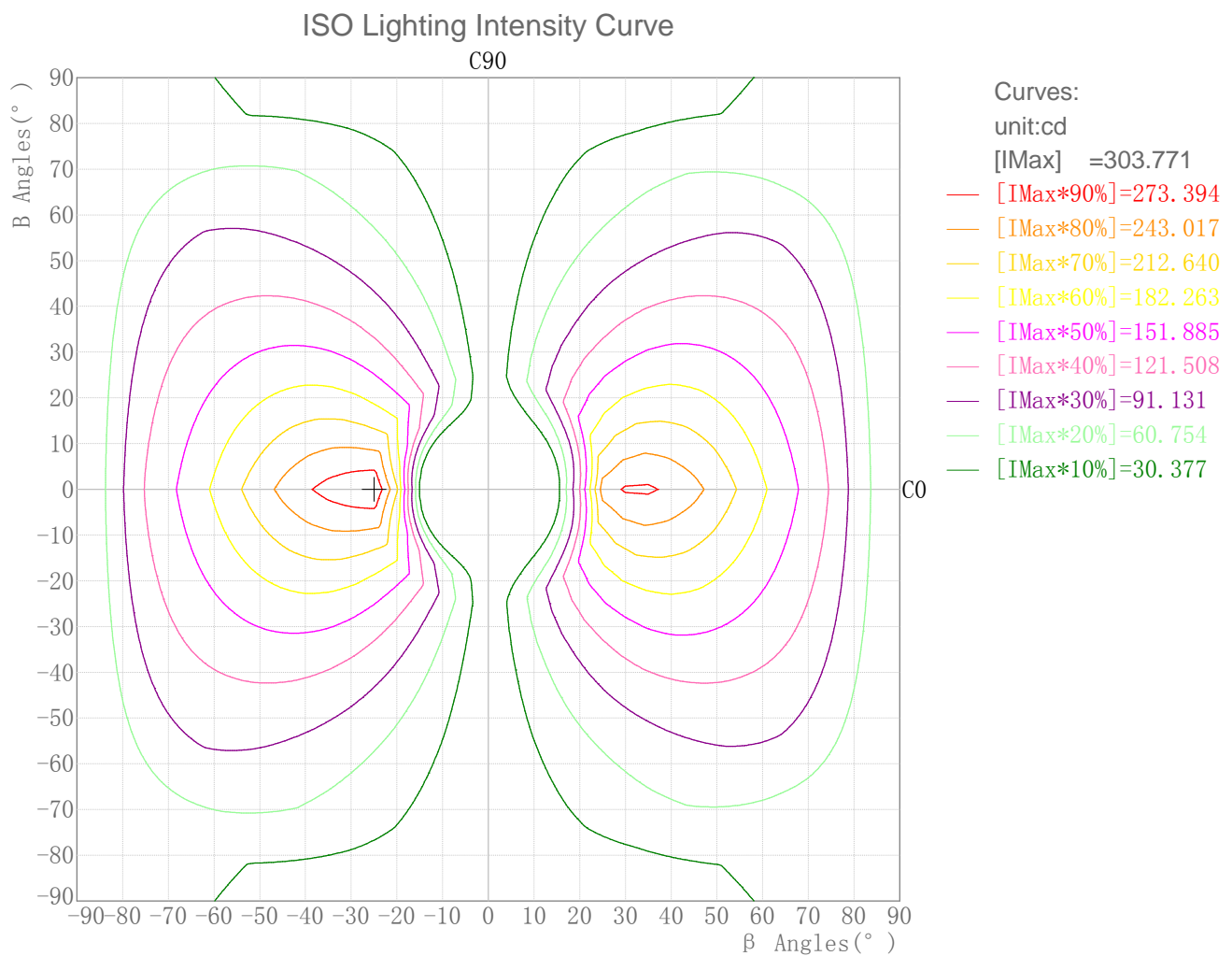
Photometric Filename:A024LED-WH-3K.IES

Zonal Flux Tabulation

Zone (y)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	0.13	0.13	0.02	0.02
5.0-10.0	0.47	0.60	0.08	0.10
10.0-15.0	1.25	1.85	0.20	0.30
15.0-20.0	8.29	10.14	1.34	1.64
20.0-25.0	24.02	34.16	3.88	5.52
25.0-30.0	36.31	70.47	5.87	11.39
30.0-35.0	42.25	112.72	6.83	18.22
35.0-40.0	46.31	159.03	7.49	25.71
40.0-45.0	48.58	207.62	7.85	33.57
45.0-50.0	49.24	256.86	7.96	41.53
50.0-55.0	48.36	305.22	7.82	49.35
55.0-60.0	46.24	351.46	7.48	56.82
60.0-65.0	43.20	394.66	6.98	63.81
65.0-70.0	39.51	434.17	6.39	70.20
70.0-75.0	35.02	469.19	5.66	75.86
75.0-80.0	28.01	497.20	4.53	80.38
80.0-85.0	18.96	516.16	3.07	83.45
85.0-90.0	13.60	529.75	2.20	85.65
90.0-95.0	12.42	542.18	2.01	87.66
95.0-100.0	12.12	554.30	1.96	89.62
100.0-105.0	12.16	566.46	1.97	91.58
105.0-110.0	10.96	577.42	1.77	93.35
110.0-115.0	8.27	585.69	1.34	94.69
115.0-120.0	6.62	592.31	1.07	95.76
120.0-125.0	6.09	598.40	0.98	96.75
125.0-130.0	5.26	603.66	0.85	97.60
130.0-135.0	4.36	608.02	0.70	98.30
135.0-140.0	3.44	611.46	0.56	98.86
140.0-145.0	2.54	614.00	0.41	99.27
145.0-150.0	1.73	615.73	0.28	99.55
150.0-155.0	1.09	616.82	0.18	99.73
155.0-160.0	0.70	617.52	0.11	99.84
160.0-165.0	0.47	617.99	0.08	99.92
165.0-170.0	0.31	618.30	0.05	99.96
170.0-175.0	0.16	618.47	0.03	99.99
175.0-180.0	0.05	618.52	0.01	100.00

Rectangle ISO Lighting Intensity Diagram

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22



Maximum Light Intensity(cd): 303.77
 Maximum Cand.@Angle: H=-25.0°,V=0.0°

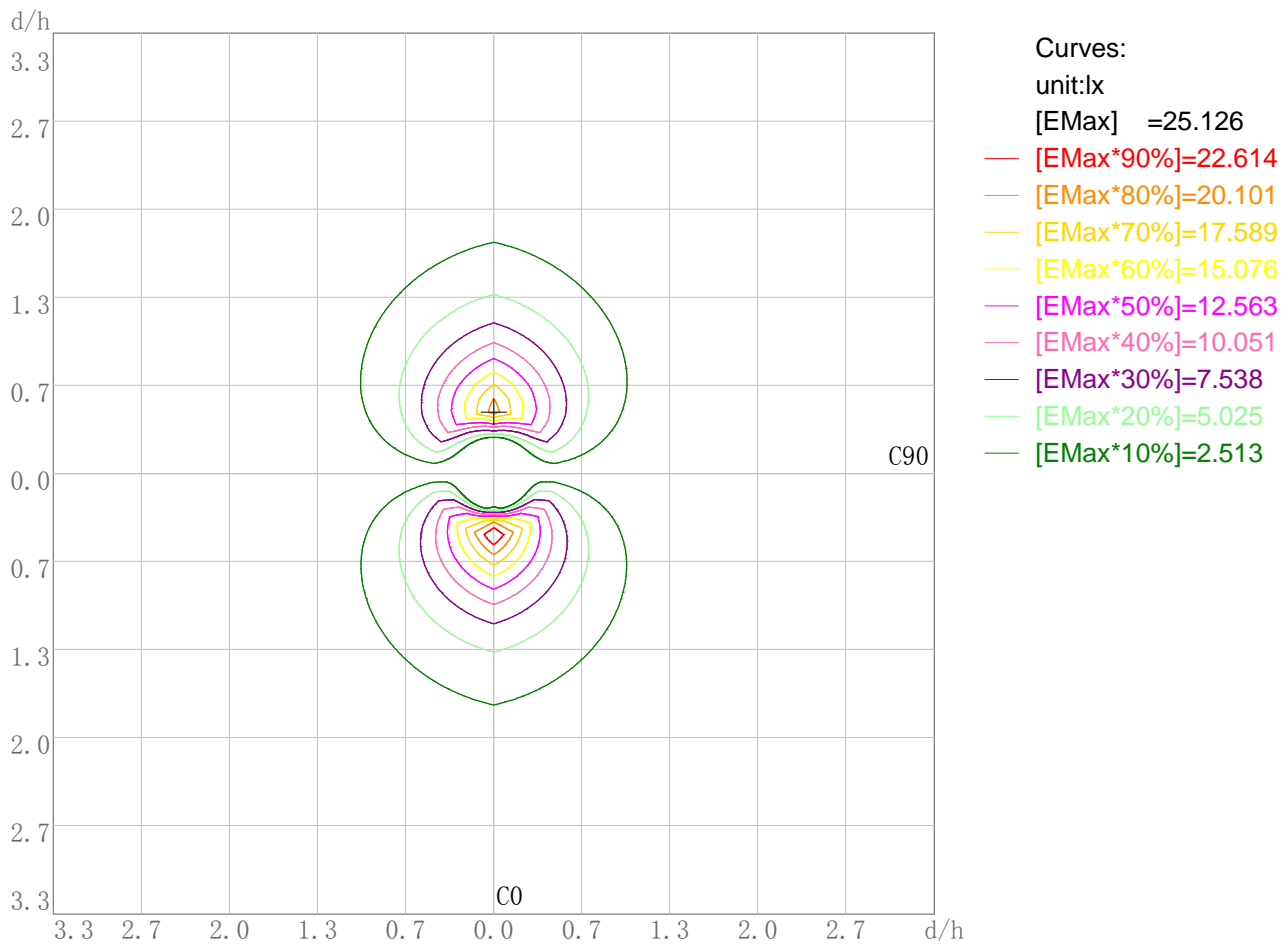
IES Indoor Report

Photometric Filename:A024LED-WH-3K.IES

Plane ISO-Illuminance Diagram

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

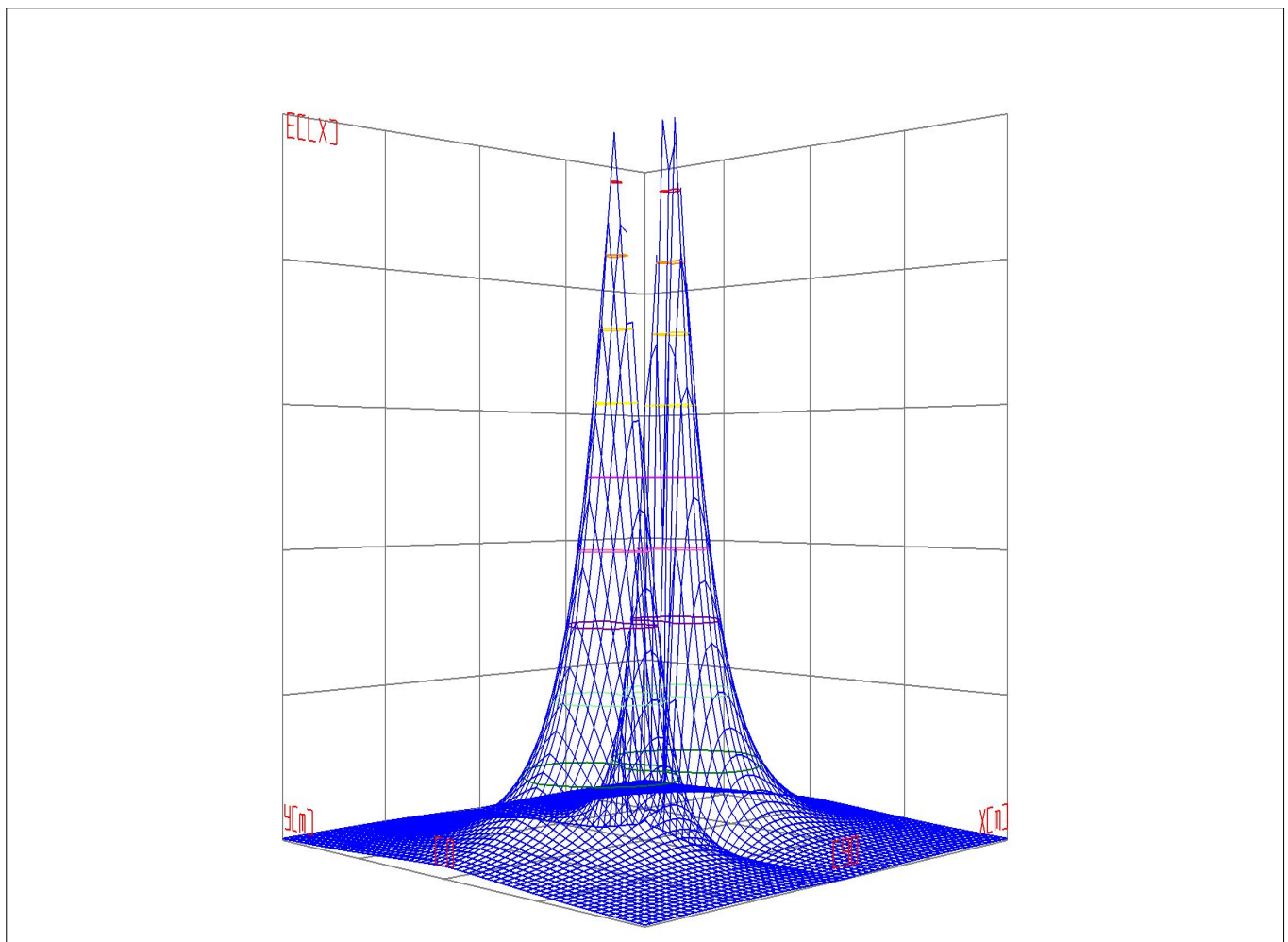
Working Plane Maximum Illuminance(lx): 25.13

Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.5

3D Plane ISO Illuminance Diagram

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

3D Plane Illuminance Modal

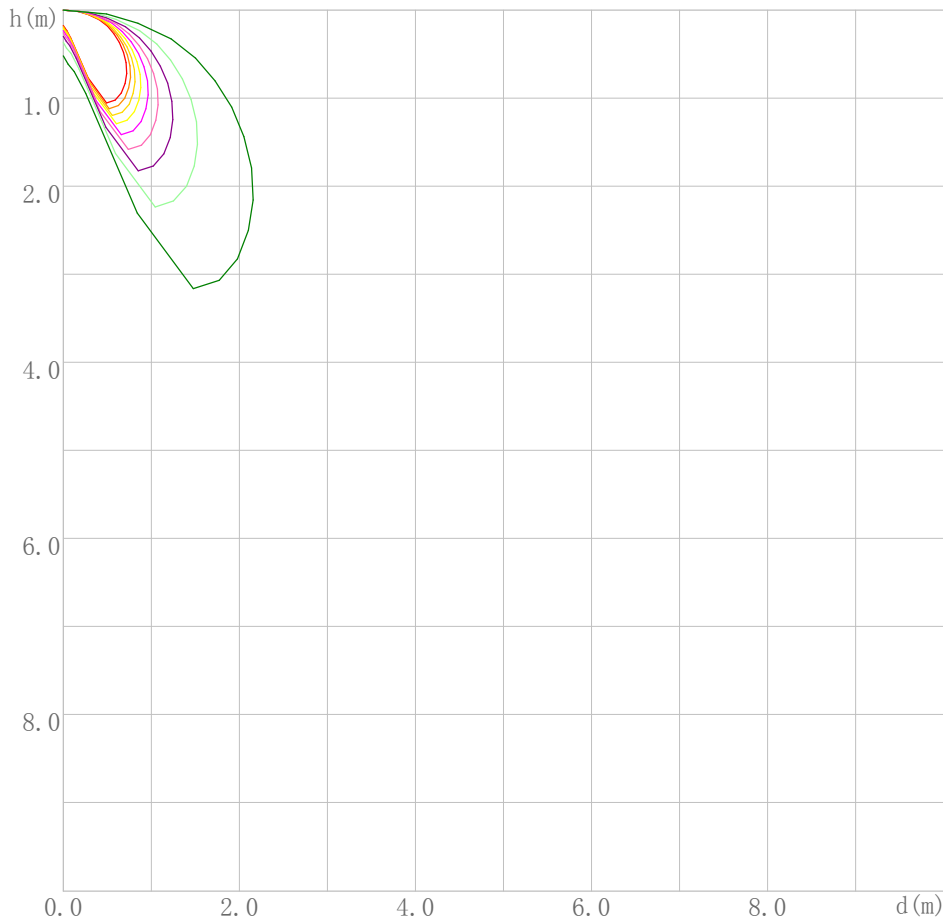


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

Space ISO Illuminance Curve

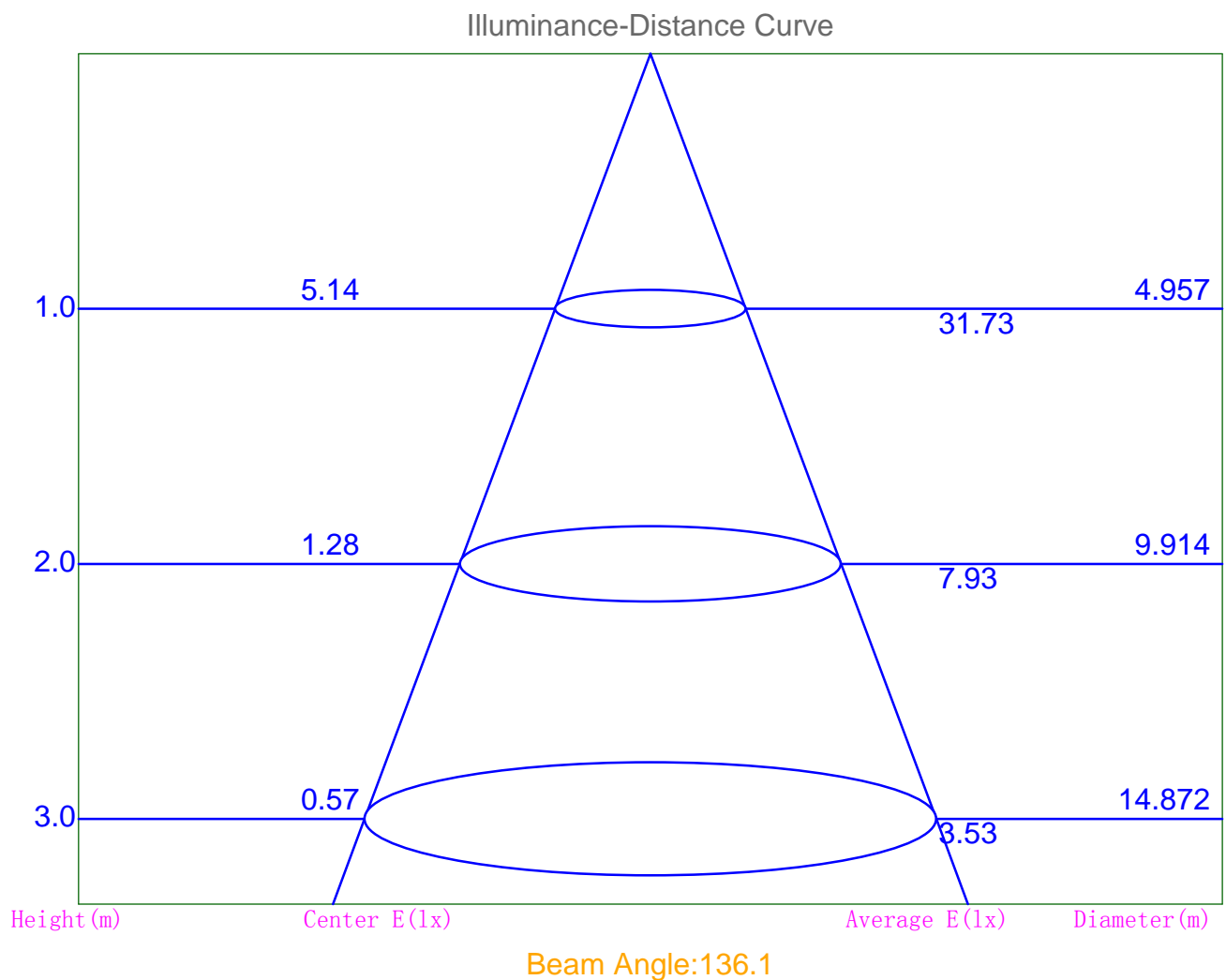


- Curves:
unit:lx
[EMax] =191.604
- [EMax*90%]=172.443
 - [EMax*80%]=153.283
 - [EMax*70%]=134.123
 - [EMax*60%]=114.962
 - [EMax*50%]=95.802
 - [EMax*40%]=76.641
 - [EMax*30%]=57.481
 - [EMax*20%]=38.321
 - [EMax*10%]=19.160

Space Plane Maximum Illuminance and @Angle:191.60,25.0deg
Plane Maximum Lighting Intensity and @Angle:277.987cd,0deg

Illuminance-Distance Diagram

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22



Indoor Luminance Limiting Curves

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

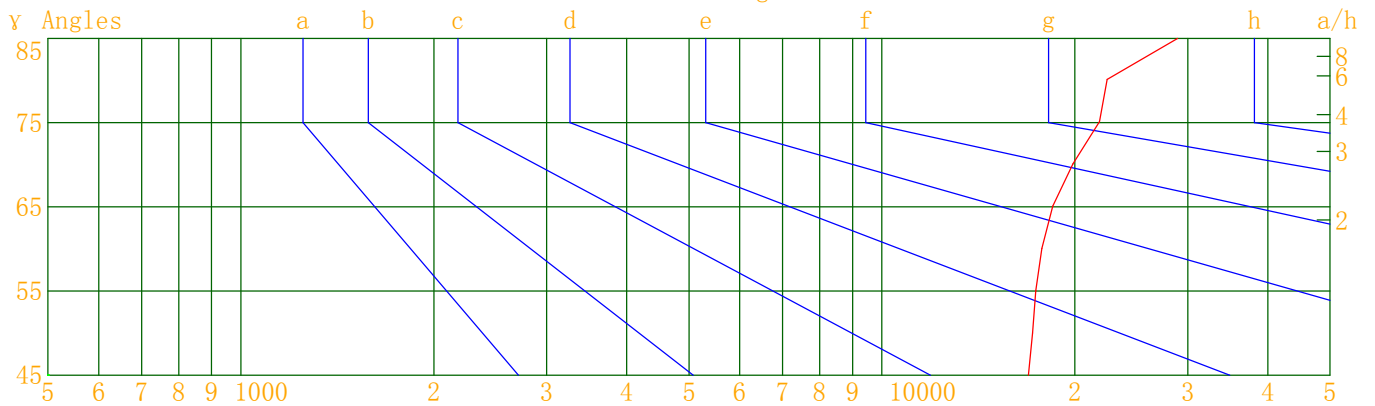
Glare Grade Table

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	16935	17174	17378	17755	18482	19850	21860	22451	28929
C90	202	204	209	217	223	233	234	258	321

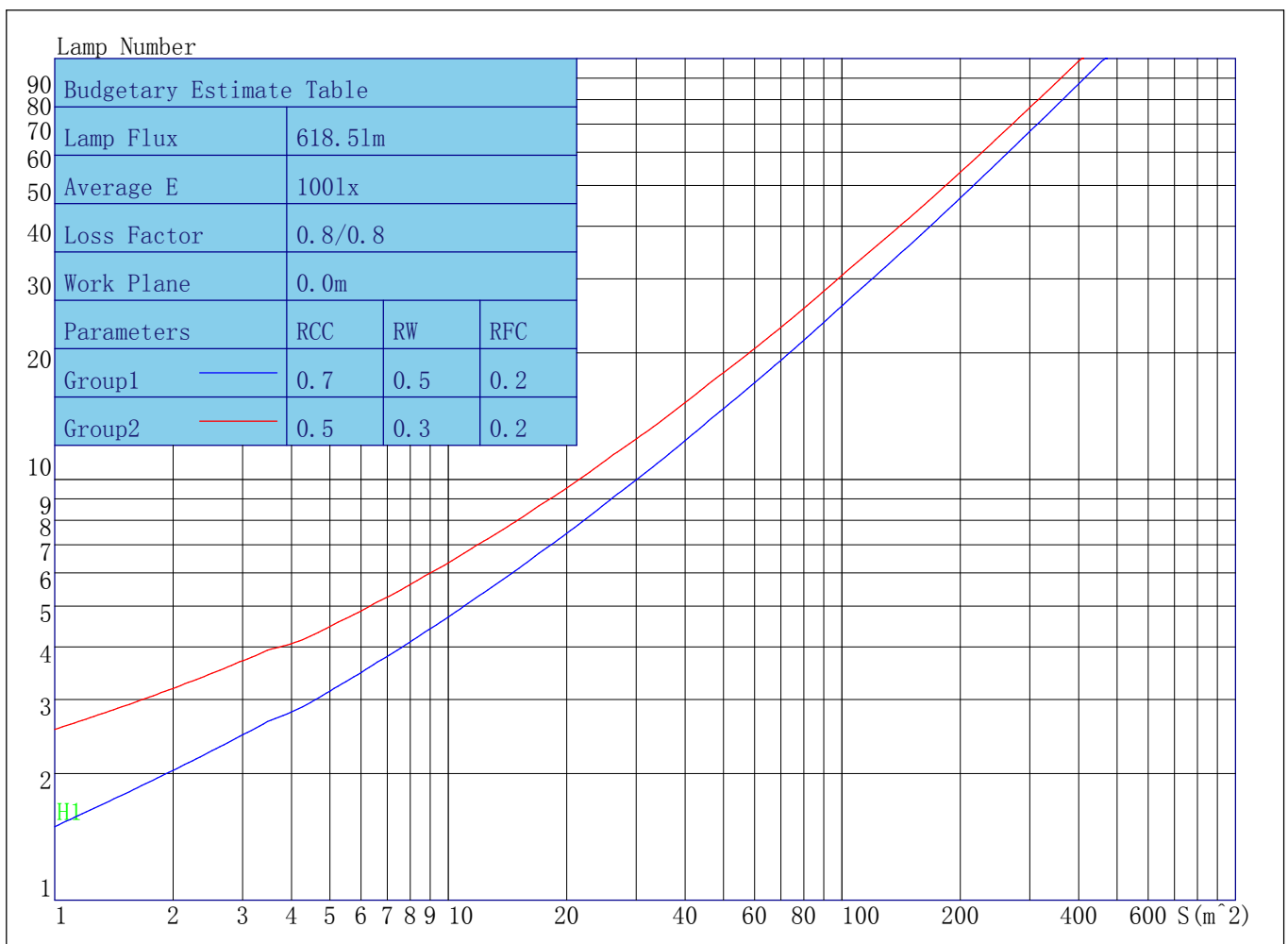
Luminance Limiting Curve



Luminous Size: Length(m)=0.070 Width(m)=0.200 Height(m)=0.100 Area(m^2)=0.021000
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22



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: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

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	116	116	116	116	111	111	111	111	103	103	103	96	96	96	89	89	89	86
1	103	97	92	87	98	93	88	84	86	82	79	80	77	74	74	71	69	66
2	92	82	74	67	88	79	72	65	73	67	62	67	62	58	62	58	55	52
3	82	70	61	54	78	68	59	52	62	55	49	58	52	47	53	48	44	41
4	74	61	51	44	71	59	50	43	54	46	40	50	44	38	46	41	36	33
5	68	53	43	36	64	51	42	35	48	40	34	44	37	32	41	35	30	27
6	62	47	37	30	59	45	36	30	42	34	28	39	32	27	36	30	25	23
7	57	42	32	26	54	40	32	25	38	30	24	35	28	23	32	26	22	19
8	52	38	28	22	50	36	28	22	34	26	21	31	25	20	29	23	19	16
9	48	34	25	19	46	33	24	19	31	23	18	28	22	17	26	21	16	14
10	45	31	22	17	43	30	22	16	28	21	16	26	19	15	24	18	14	12

Unified Glare Rating Table

Lum. Name: A024LED-WH	Lum. Catalog:	Test ID:
Lamp Name: 3000K	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/22

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	39.8	43.3	41.1	44.7	46.1	29.9	33.4	31.2	34.8	36.2
Y=3H	47.0	50.5	48.3	51.9	53.3	32.5	36.0	33.8	37.3	38.8
Y=4H	51.4	54.5	52.8	55.9	57.3	34.2	37.3	35.6	38.7	40.2
Y=6H	54.8	57.8	56.2	59.2	60.7	35.0	38.0	36.4	39.4	40.9
Y=8H	56.3	59.3	57.7	60.7	62.1	35.2	38.2	36.6	39.6	41.0
Y=12H	57.8	60.7	59.1	62.1	63.6	35.3	38.3	36.7	39.7	41.1
X=4H Y=2H	40.4	43.5	41.7	44.9	46.3	35.6	38.7	37.0	40.1	41.6
Y=3H	47.9	51.0	49.3	52.4	53.9	39.0	42.1	40.4	43.5	45.0
Y=4H	50.9	52.9	52.5	54.5	56.2	39.6	41.6	41.3	43.3	44.9
Y=6H	54.9	56.7	56.6	58.4	60.1	41.2	43.0	42.9	44.7	46.4
Y=8H	56.8	58.6	58.5	60.2	62.0	41.7	43.4	43.4	45.1	46.8
Y=12H	57.9	59.3	59.7	61.1	62.9	41.1	42.6	43.0	44.4	46.2
X=8H Y=4H	51.1	52.9	52.8	54.5	56.2	41.8	43.5	43.5	45.2	46.9
Y=6H	54.6	55.8	56.4	57.6	59.5	43.3	44.5	45.1	46.3	48.2
Y=8H	56.3	57.3	58.2	59.2	61.0	43.9	44.9	45.8	46.8	48.7
Y=12H	58.6	59.5	60.5	61.4	63.3	44.8	45.7	46.7	47.6	49.5
X=12H Y=4H	50.2	51.7	52.0	53.5	55.3	41.3	42.8	43.2	44.6	46.4
Y=6H	54.1	55.2	56.1	57.1	59.0	43.5	44.5	45.4	46.4	48.3
Y=8H	56.4	57.3	58.3	59.2	61.1	44.8	45.7	46.8	47.6	49.5
Variations with the objver position at spacings										
S=1.0H	2.0/-6.9					3.1/-0.2				
S=1.5H	-3.9/-26.1					3.1/-12.9				
S=2.0H	-6.1/-26.1					3.1/-12.9				

IES Indoor Report
Photometric Filename:A024LED-WH-3K.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
Y 0.0	5.14	5.14	5.14	5.14
Y 5.0	7.29	4.20	7.74	4.01
Y 10.0	9.72	4.11	11.70	3.85
Y 15.0	18.97	4.07	28.00	3.78
Y 20.0	122.57	3.95	217.37	3.61
Y 25.0	257.38	3.83	303.77	3.54
Y 30.0	277.14	3.62	295.01	3.32
Y 35.0	277.99	3.45	284.03	3.15
Y 40.0	266.77	3.20	268.93	2.86
Y 45.0	251.47	2.99	250.55	2.77
Y 50.0	231.83	2.75	229.66	2.77
Y 55.0	209.32	2.51	208.10	2.75
Y 60.0	186.43	2.28	186.29	2.48
Y 65.0	164.03	1.98	165.09	2.25
Y 70.0	142.57	1.67	144.63	1.93
Y 75.0	118.81	1.27	123.37	1.59
Y 80.0	81.87	0.94	89.72	1.16
Y 85.0	52.95	0.59	51.16	0.74
Y 90.0	46.84	0.51	45.46	0.38
Y 95.0	44.08	0.47	43.46	0.26
Y 100.0	44.78	0.53	44.50	0.34
Y 105.0	45.46	0.51	45.38	0.35
Y 110.0	35.75	0.62	39.01	0.57
Y 115.0	27.44	0.77	25.75	0.81
Y 120.0	26.64	1.03	25.48	0.99
Y 125.0	24.79	1.18	24.09	1.18
Y 130.0	21.27	1.28	21.74	1.32
Y 135.0	19.12	1.38	18.54	1.61
Y 140.0	15.85	1.49	14.60	1.71
Y 145.0	12.61	1.59	11.29	1.89
Y 150.0	8.29	1.70	7.59	1.97
Y 155.0	5.82	1.73	5.17	2.06
Y 160.0	4.28	1.77	3.83	2.13
Y 165.0	3.75	1.81	3.29	2.10
Y 170.0	3.17	1.81	2.74	2.13
Y 175.0	2.61	1.73	2.30	1.95
Y 180.0	1.97	1.97	1.97	1.97
