

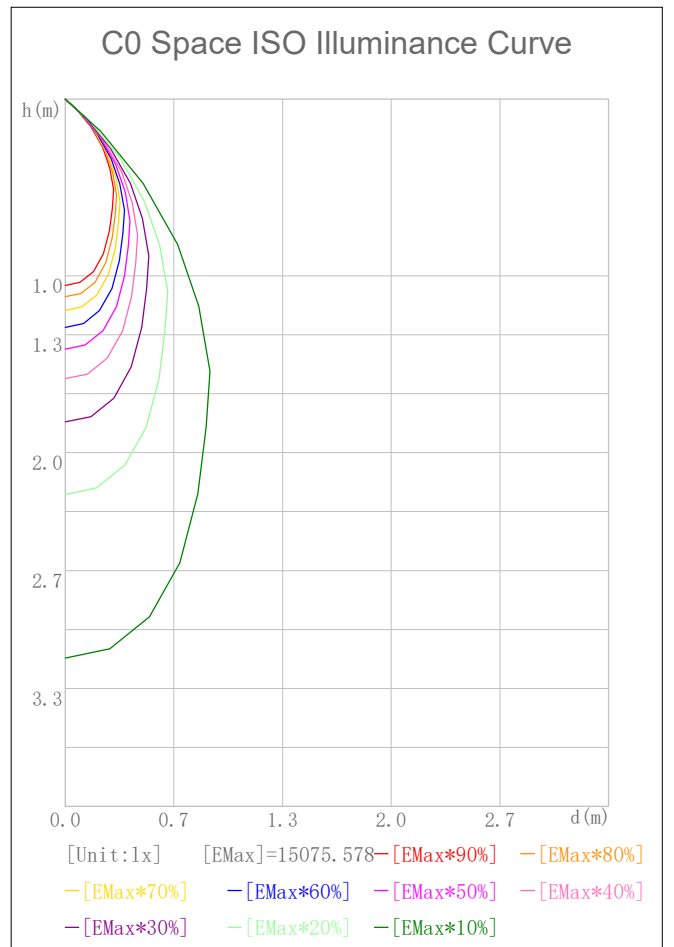
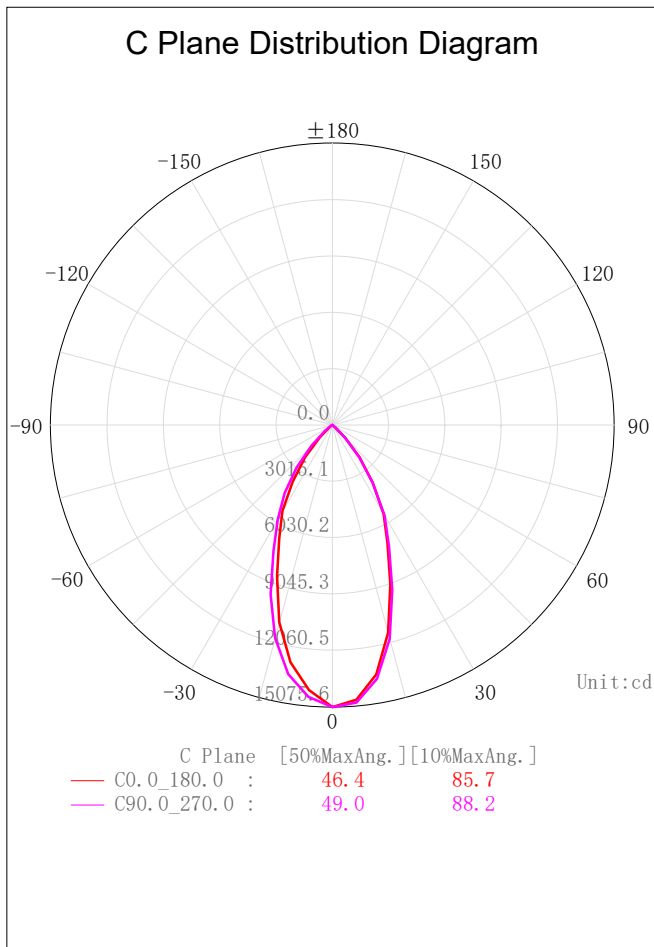
Indoor Luminaire Photometric Data

Description Information

Luminary Name: JYUF0-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUF0-100BXZ	Lamp Catalog: LED	Test Date: 2018/08/05
Manufacture:	Shld. Ang(°):	Test Machine:GON-2000
Test Lab:	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.430m*0.430m*0.350m	Lum. Area(m ²):0.335	Lum. W(kg):
Test System: C, γ	Test Step: C=60.0 γ=5.0	Temp.(°C):
		Humidity(%): 50.0

Character Parameter

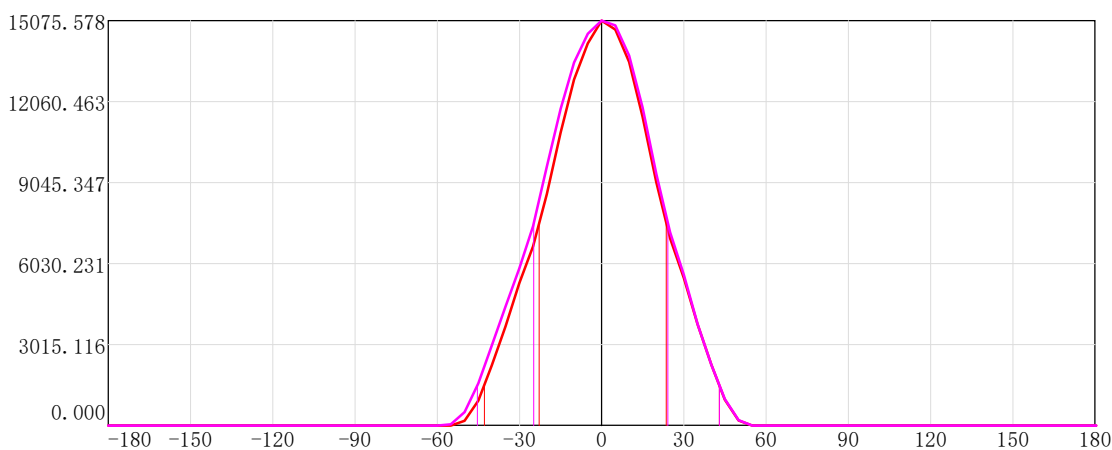
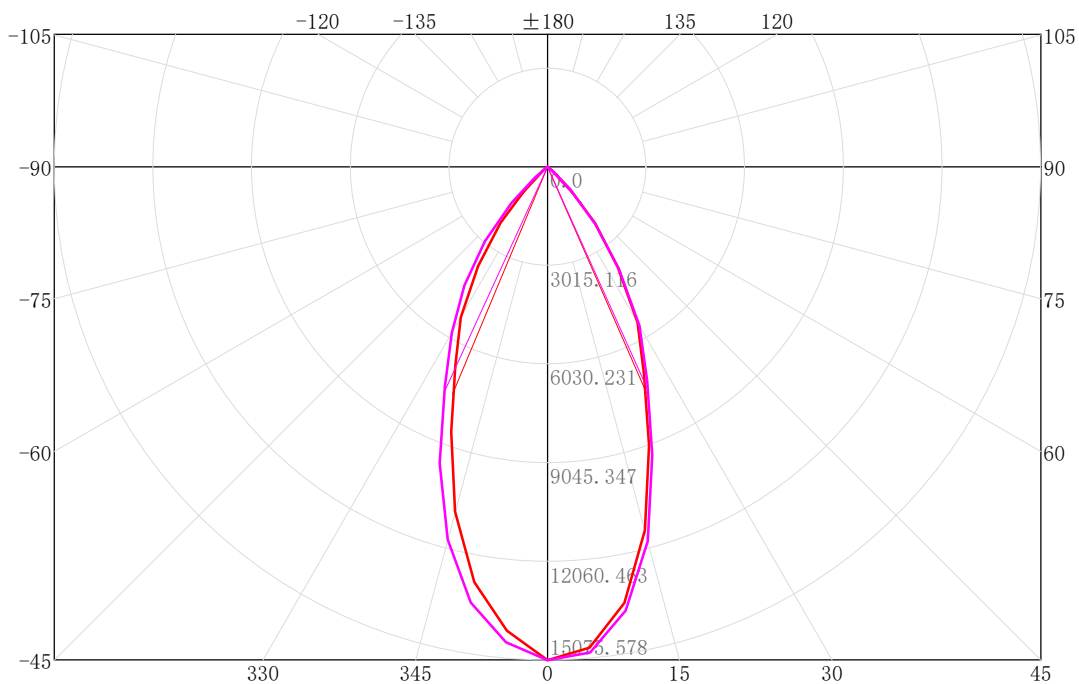
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 12000.000	Luminary Flux(lm): 11453.840	Field Angle(10%Imax): 85.7(°)	
Rated Power(W):	Luminary Efficiency: 95.45%	Down Lumens&Percent: 11453.840lm 100.00%	
Rated Voltage(V):	Luminary EER(lm/W): 119.311	Up Lumens&Percent: 0.000lm 0.00%	
Tested Power(W): 96.000	Max. Candela(cd): 15075.578	S/MH: C0_a180=0.713 C90_270=0.756	
Lamps' Inside: 1	Max Cand@Ang.(°): C=0.0 γ=0.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):221.5, 0.445, 0.974	Beam Angle(50%Imax): 46.4(°)	ErP Φuse(90°): 11065.564lm	
Lamp Size(W*L*H):0.430m*0.430m*0.350m	Left=-22.8°, Right=23.6°	IRF(%): 269.113	



2D Plane Light Intensity Distribution Curve

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

C Plane Distribution Diagram

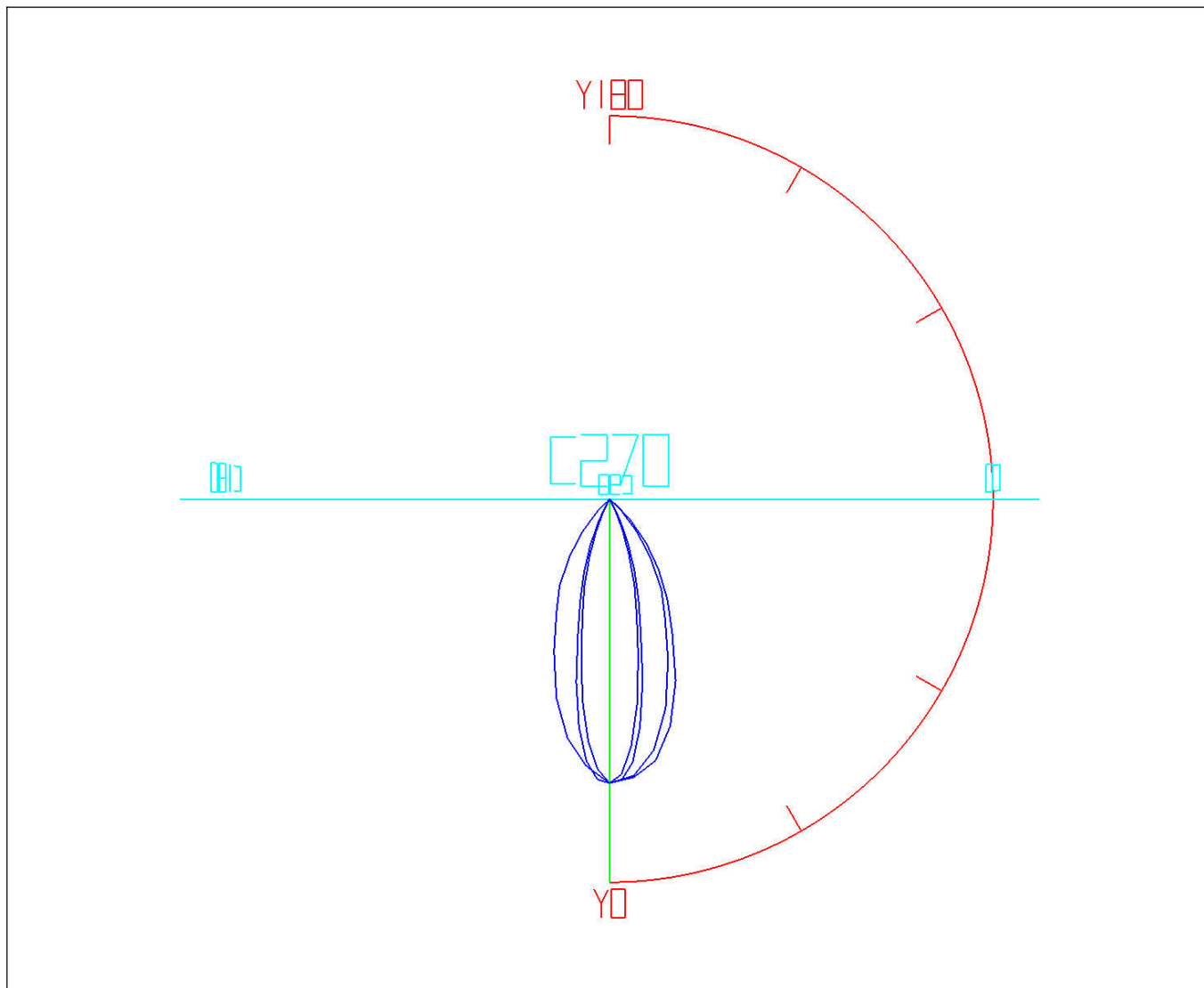


	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	46.4	85.7	
—	C90.0_270.0 :	49.0	88.2	

3D Light Intensity Distribution Modal

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

3D Light Intensity Distribution Modal



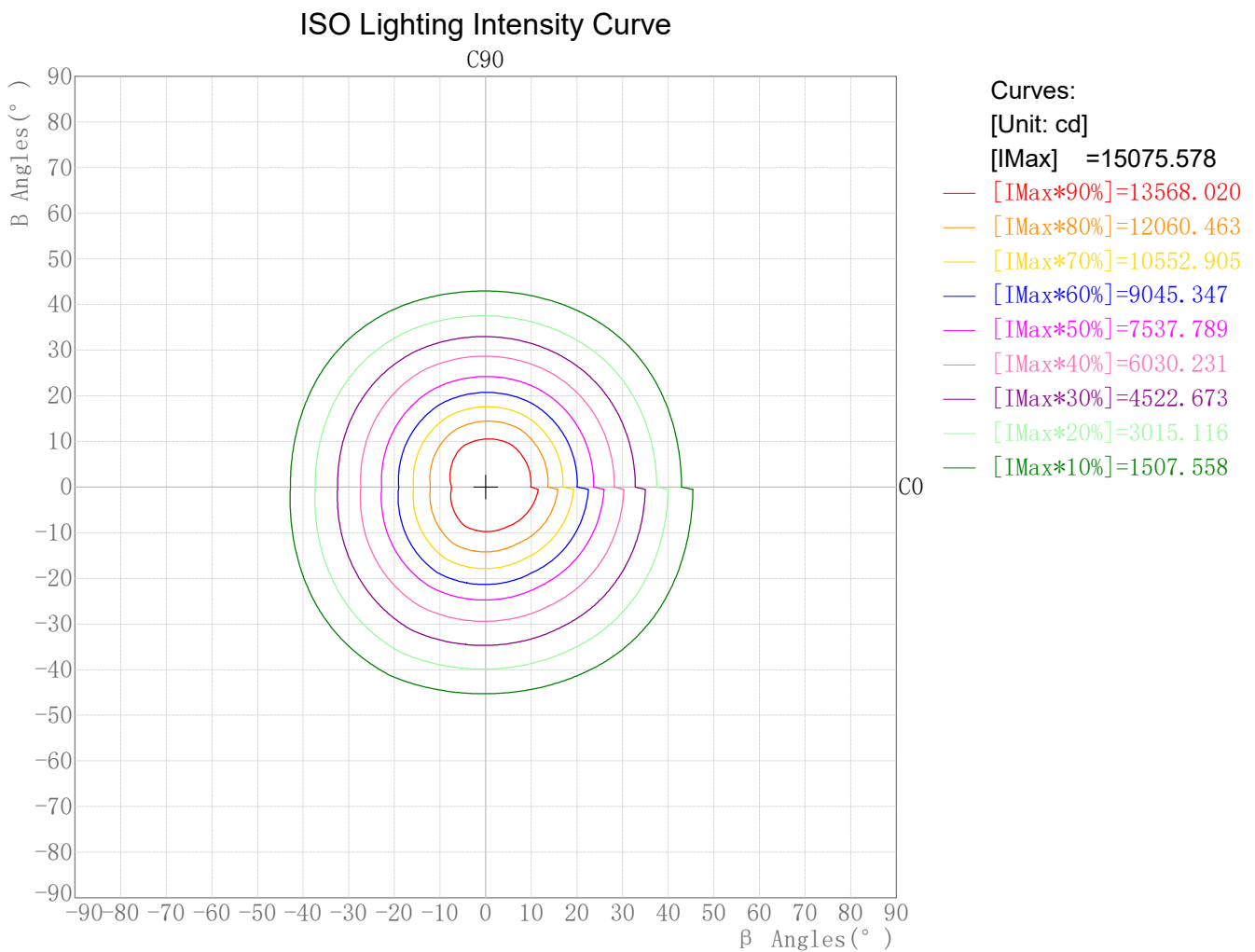
Curves: 3D Model ——— Fixture ——— Vert. HUD ——— Hori. HUD ———
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Zonal Flux Tabulation

Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
0.0-5.0	355.43	355.43	2.96	2.96
5.0-10.0	1007.20	1362.64	8.39	11.36
10.0-15.0	1489.53	2852.17	12.41	23.77
15.0-20.0	1722.02	4574.18	14.35	38.12
20.0-25.0	1723.54	6297.72	14.36	52.48
25.0-30.0	1615.84	7913.56	13.47	65.95
30.0-35.0	1413.71	9327.27	11.78	77.73
35.0-40.0	1080.76	10408.02	9.01	86.73
40.0-45.0	678.56	11086.59	5.65	92.39
45.0-50.0	295.95	11382.53	2.47	94.85
50.0-55.0	67.73	11450.26	0.56	95.42
55.0-60.0	3.58	11453.84	0.03	95.45
60.0-65.0	0.00	11453.84	0.00	95.45
65.0-70.0	0.00	11453.84	0.00	95.45
70.0-75.0	0.00	11453.84	0.00	95.45
75.0-80.0	0.00	11453.84	0.00	95.45
80.0-85.0	0.00	11453.84	0.00	95.45
85.0-90.0	0.00	11453.84	0.00	95.45
90.0-95.0	0.00	11453.84	0.00	95.45
95.0-100.0	0.00	11453.84	0.00	95.45
100.0-105.0	0.00	11453.84	0.00	95.45
105.0-110.0	0.00	11453.84	0.00	95.45
110.0-115.0	0.00	11453.84	0.00	95.45
115.0-120.0	0.00	11453.84	0.00	95.45
120.0-125.0	0.00	11453.84	0.00	95.45
125.0-130.0	0.00	11453.84	0.00	95.45
130.0-135.0	0.00	11453.84	0.00	95.45
135.0-140.0	0.00	11453.84	0.00	95.45
140.0-145.0	0.00	11453.84	0.00	95.45
145.0-150.0	0.00	11453.84	0.00	95.45
150.0-155.0	0.00	11453.84	0.00	95.45
155.0-160.0	0.00	11453.84	0.00	95.45
160.0-165.0	0.00	11453.84	0.00	95.45
165.0-170.0	0.00	11453.84	0.00	95.45
170.0-175.0	0.00	11453.84	0.00	95.45
175.0-180.0	0.00	11453.84	0.00	95.45

Rectangle ISO Lighting Intensity Diagram

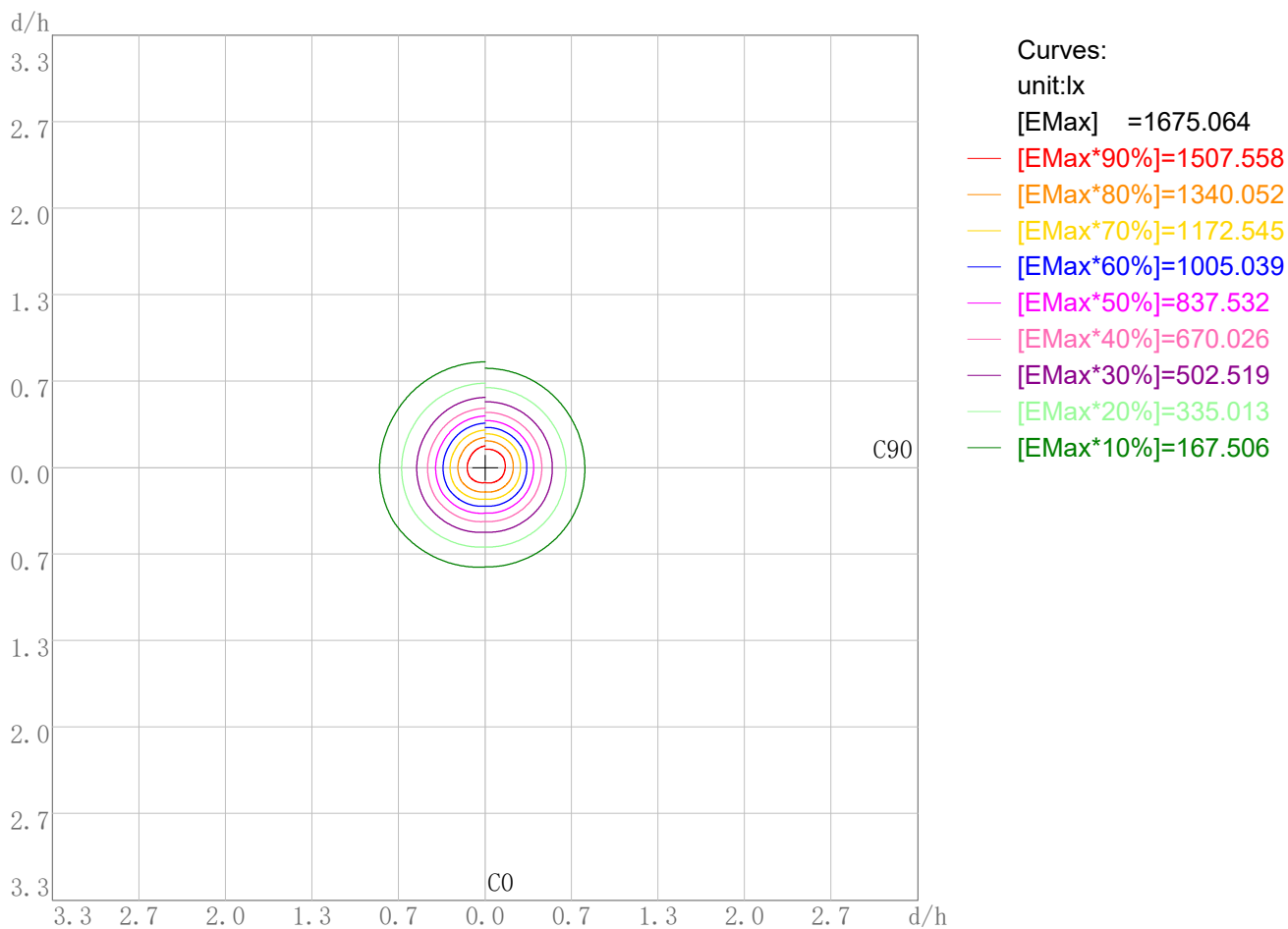
Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05



Plane ISO-Illuminance Diagram

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

Plane ISO-Illuminance Curve

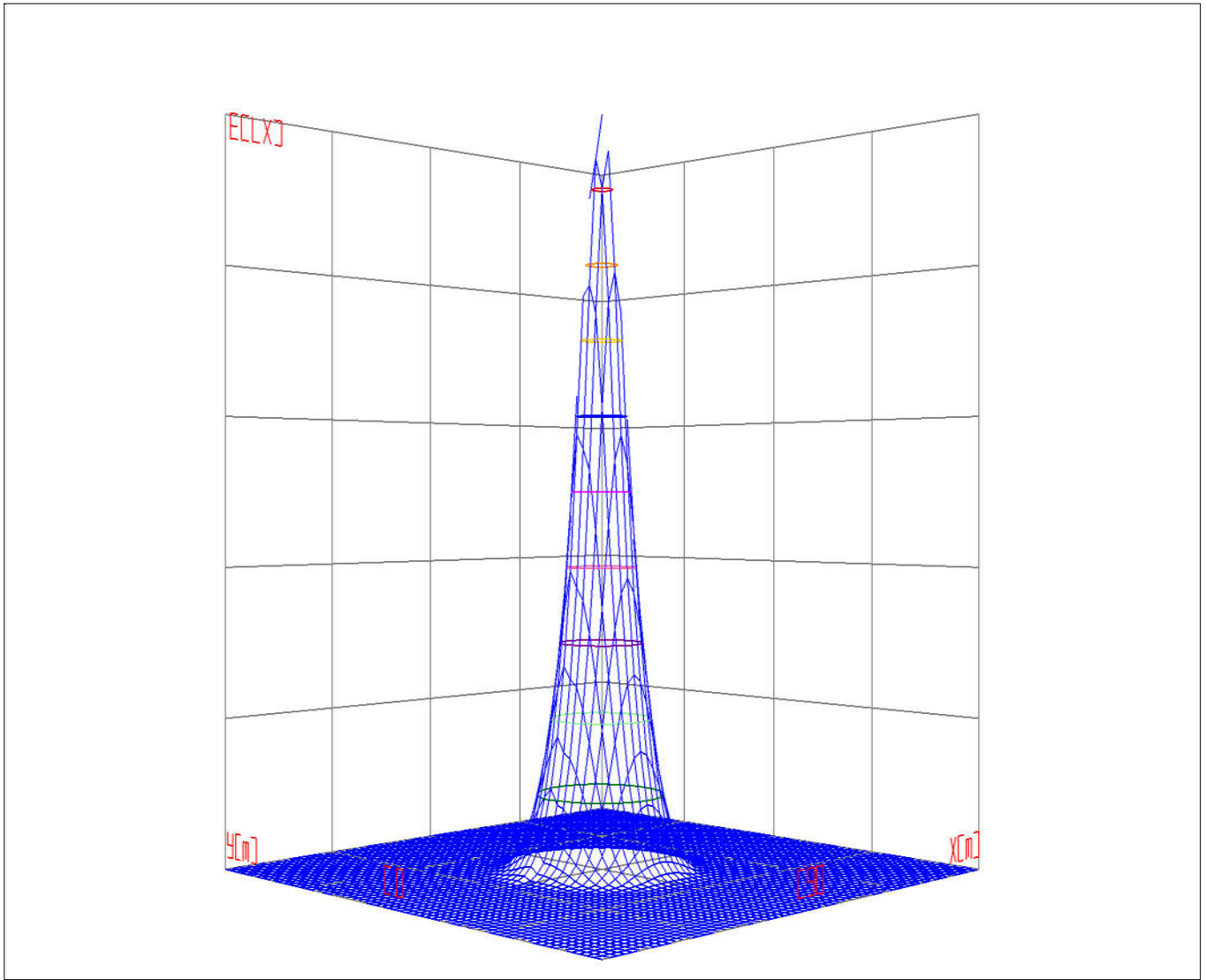


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 1675.06
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

3D Plane Illuminance Modal

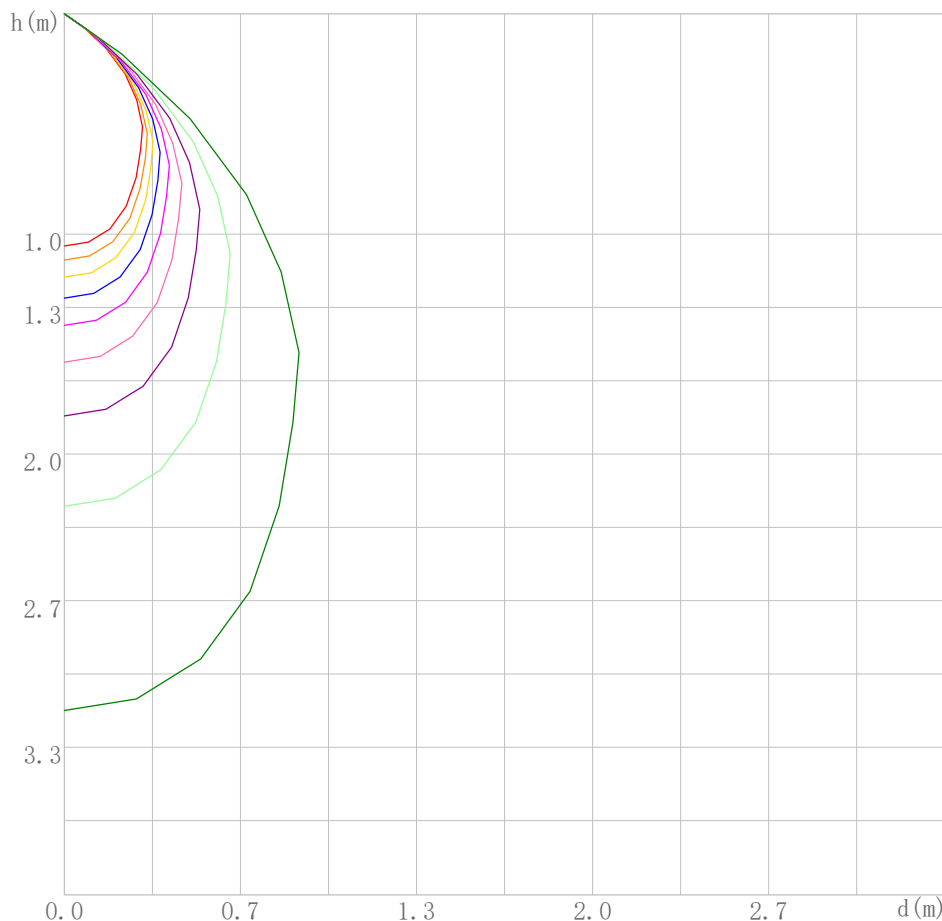


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

Space ISO Illuminance Curve



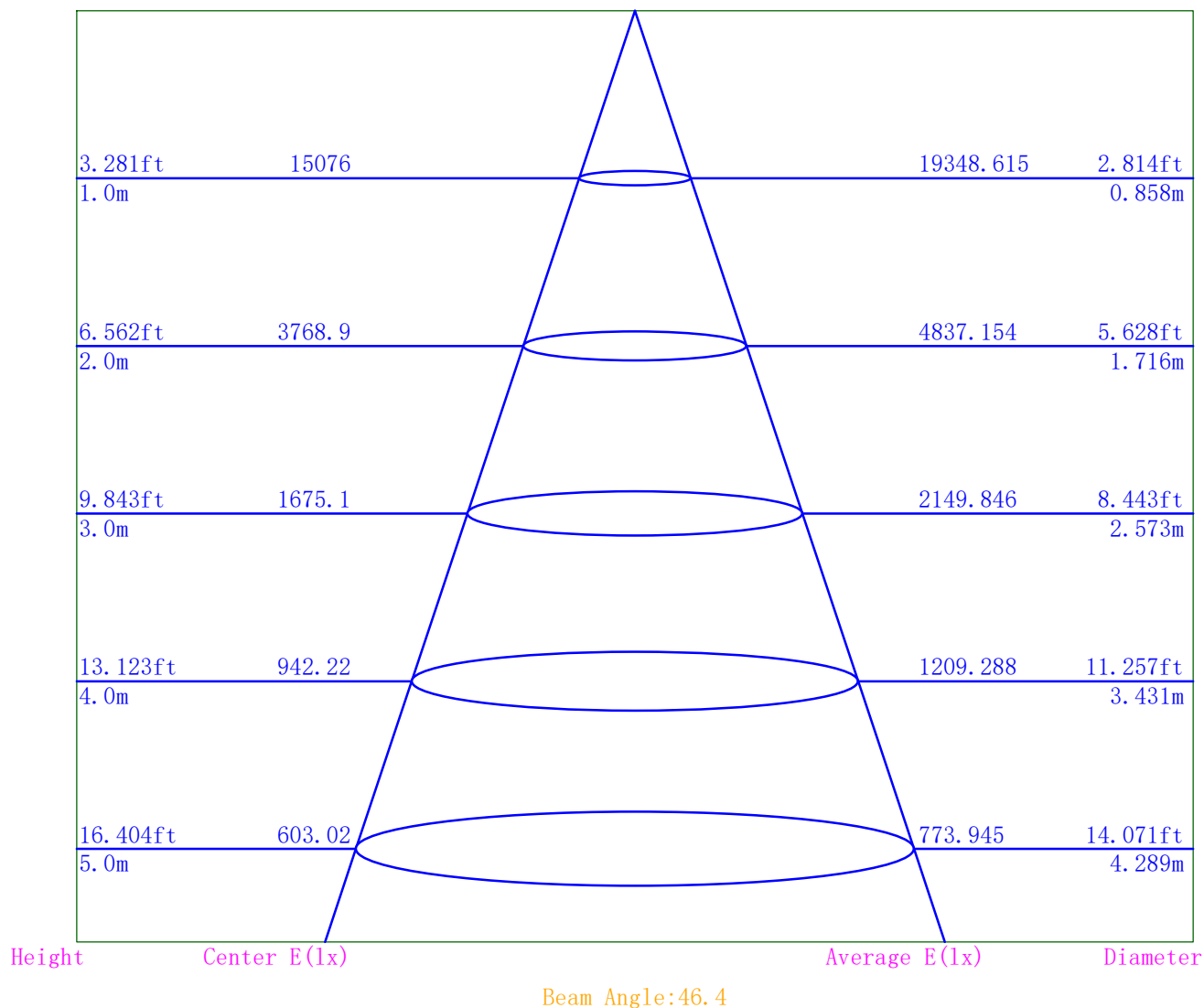
- Curves:
[Unit: lx]
[EMax] =15075.578
- [EMax*90%]=13568.020
 - [EMax*80%]=12060.463
 - [EMax*70%]=10552.905
 - [EMax*60%]=9045.347
 - [EMax*50%]=7537.789
 - [EMax*40%]=6030.231
 - [EMax*30%]=4522.673
 - [EMax*20%]=3015.116
 - [EMax*10%]=1507.558

Space Plane Maximum Illuminance and @Angle:15075.58lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:15075.578cd,0deg

Illuminance-Distance Diagram

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

Illuminance-Distance Curve



Indoor Luminance Limiting Curves

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

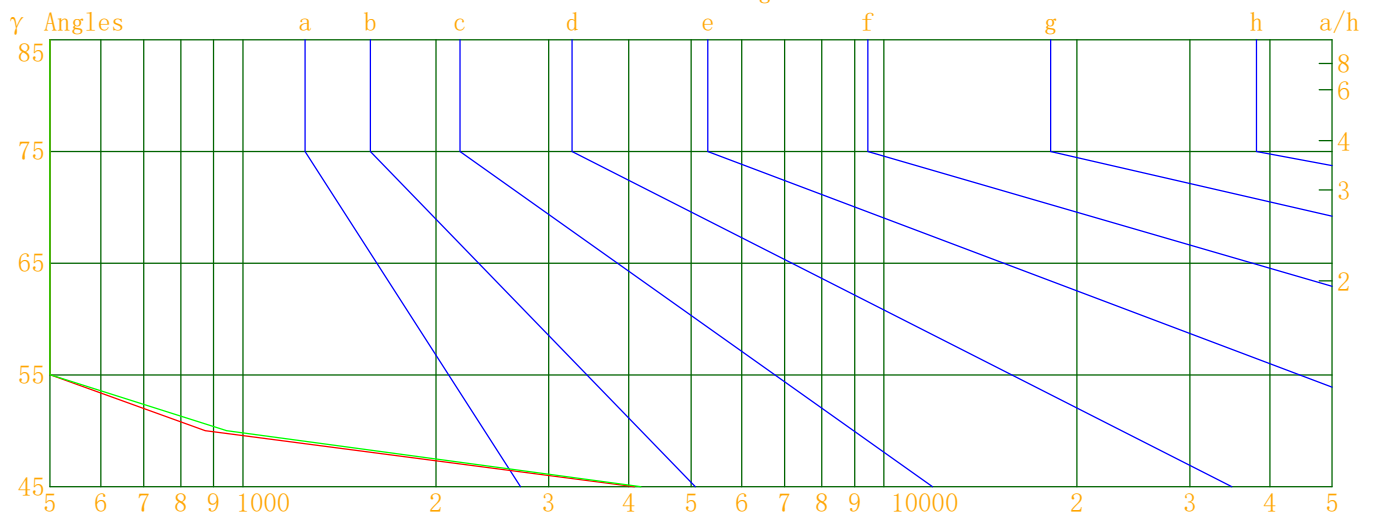
Glare Grade Table

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	4084	874	0	0	0	0	0	0	0
C90	4178	943	0	0	0	0	0	0	0

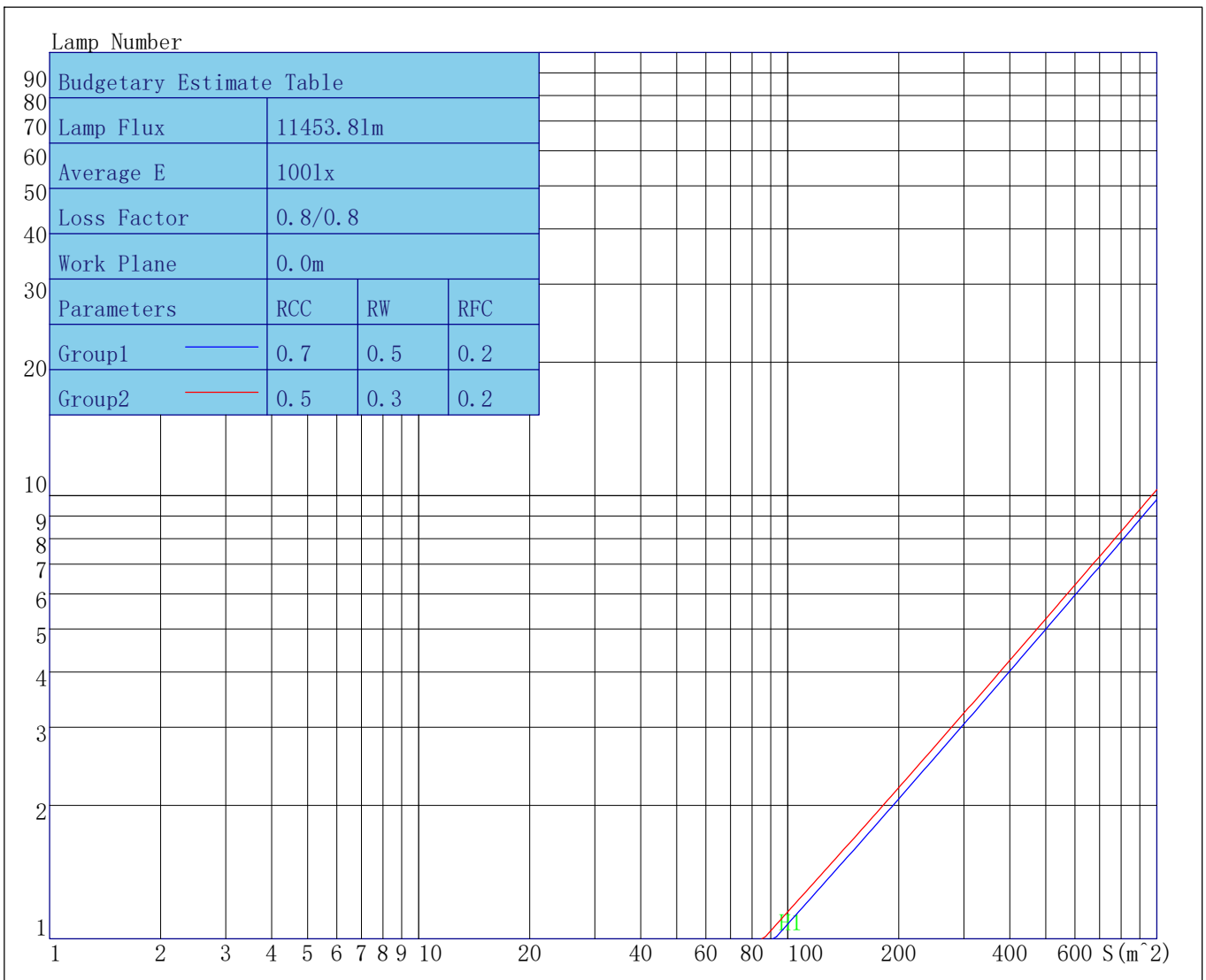
Luminance Limiting Curve



Luminous Size: Length(m)=0.430 Width(m)=0.430 Height(m)=0.350 Area(m²)=0.335400
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: ——— C90-C270 Color: ———

Indoor Budgetary Estimate Table

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05



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: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

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	114	114	114	114	111	111	111	111	106	106	106	102	102	102	97	97	97	95
1	108	106	103	101	106	104	102	100	100	98	97	96	95	94	93	92	91	89
2	103	98	95	91	101	97	93	90	94	91	88	91	89	87	88	86	85	83
3	98	92	87	83	96	91	86	83	88	84	81	86	83	80	84	81	79	77
4	93	86	81	77	91	85	80	76	83	79	75	81	77	74	79	76	74	72
5	88	80	75	71	87	79	74	70	78	73	70	76	72	69	75	71	69	67
6	84	75	70	66	82	75	69	65	73	69	65	72	68	65	71	67	64	63
7	80	71	65	61	78	70	65	61	69	64	61	68	64	60	67	63	60	59
8	76	67	61	57	75	66	61	57	65	60	57	64	60	57	63	59	56	55
9	72	63	58	54	71	63	57	54	62	57	53	61	56	53	60	56	53	52
10	69	60	54	51	68	59	54	51	59	54	50	58	53	50	57	53	50	49

Unified Glare Rating Table

Lum. Name: JYUFO-100BXZ	Lum. Catalog: 1	Test ID: ALD-PG180805002
Lamp Name: JYUFO-100BXZ	Lamp Catalog: LED	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/08/05

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	7.2	8.0	6.6	7.4	7.6	5.6	6.4	5.0	5.8	6.0
	Y=3H	7.0	7.7	6.5	7.2	7.5	5.3	6.1	4.9	5.6	5.8
	Y=4H	6.9	7.6	6.5	7.1	7.4	5.2	5.9	4.8	5.5	5.8
	Y=6H	6.7	7.4	6.4	7.0	7.3	5.1	5.7	4.8	5.4	5.7
	Y=8H	6.7	7.3	6.4	7.0	7.3	5.0	5.7	4.7	5.3	5.6
	Y=12H	6.6	7.2	6.3	6.9	7.2	5.0	5.6	4.7	5.3	5.6
X=4H	Y=2H	6.9	7.6	6.5	7.1	7.4	5.2	5.9	4.8	5.5	5.8
	Y=3H	6.6	7.2	6.3	6.9	7.2	5.0	5.6	4.7	5.3	5.6
	Y=4H	6.4	7.0	6.3	6.8	7.1	4.8	5.3	4.6	5.2	5.5
	Y=6H	6.3	6.8	6.2	6.7	7.1	4.7	5.1	4.6	5.0	5.4
	Y=8H	6.2	6.6	6.2	6.6	7.0	4.6	5.0	4.6	5.0	5.4
	Y=12H	6.1	6.5	6.2	6.5	7.0	4.5	4.9	4.5	4.9	5.3
X=8H	Y=4H	7.8	8.3	7.8	8.2	8.6	6.9	7.3	6.9	7.3	7.7
	Y=6H	7.7	8.0	7.8	8.1	8.5	6.7	7.1	6.8	7.2	7.6
	Y=8H	7.6	7.9	7.7	8.0	8.5	6.7	7.0	6.8	7.1	7.6
	Y=12H	7.5	7.8	7.7	8.0	8.5	6.6	6.8	6.8	7.0	7.5
X=12H	Y=4H	7.8	8.1	7.8	8.2	8.6	6.8	7.2	6.9	7.2	7.7
	Y=6H	7.6	7.9	7.7	8.0	8.5	6.7	7.0	6.8	7.1	7.6
	Y=8H	7.5	7.8	7.7	8.0	8.5	6.6	6.8	6.8	7.0	7.5
Variations with the objerver position at spacings											
S=1.0H	0.0/0.0					0.0/0.0					
S=1.5H	0.0/0.0					0.0/0.0					
S=2.0H	0.0/0.0					0.0/0.0					
Reduced UGR Table:											
Nordic Standard Table:	BKO					BKO					
Correction Value	0.8					1.2					

le is calculated according to the document STD.CIE 117-1995

Candela Tabulation

V/H	C0.0	C60.0	C120.0	C180.0	C240.0	C300.0
γ 0.0	15075.6	15075.6	15075.6	15075.6	15075.6	15075.6
γ 5.0	14746.6	15034.7	14758.6	14231.1	14579.7	14585.8
γ 10.0	13533.0	13905.7	13638.1	12881.6	13489.8	13547.1
γ 15.0	11499.3	11952.4	11733.7	10910.2	11803.0	11768.6
γ 20.0	9062.7	9429.6	9303.3	8616.7	9675.9	9612.7
γ 25.0	6971.2	7212.4	7190.2	6677.3	7475.9	7370.9
γ 30.0	5492.2	5562.0	5653.1	5308.2	5890.6	5805.7
γ 35.0	3760.5	3705.2	3857.0	3697.2	4492.3	4377.4
γ 40.0	2264.9	2213.4	2304.9	2238.7	3050.5	2904.2
γ 45.0	968.5	970.3	1011.4	924.5	1600.5	1536.7
γ 50.0	188.4	200.4	206.1	173.4	536.0	471.6
γ 55.0	0.0	0.0	0.0	2.2	48.4	42.3
γ 60.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 65.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 70.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 75.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 80.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 85.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 90.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 95.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 100.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 105.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 110.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 115.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 120.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 125.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 130.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 135.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 140.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 145.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 150.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 155.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 160.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 165.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 170.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 175.0	0.0	0.0	0.0	0.0	0.0	0.0
γ 180.0	0.0	0.0	0.0	0.0	0.0	0.0