

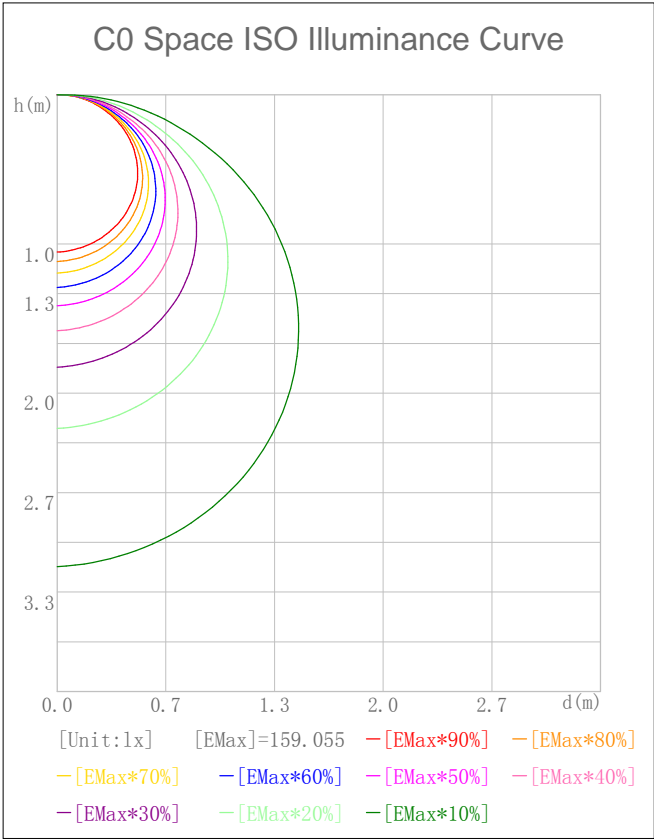
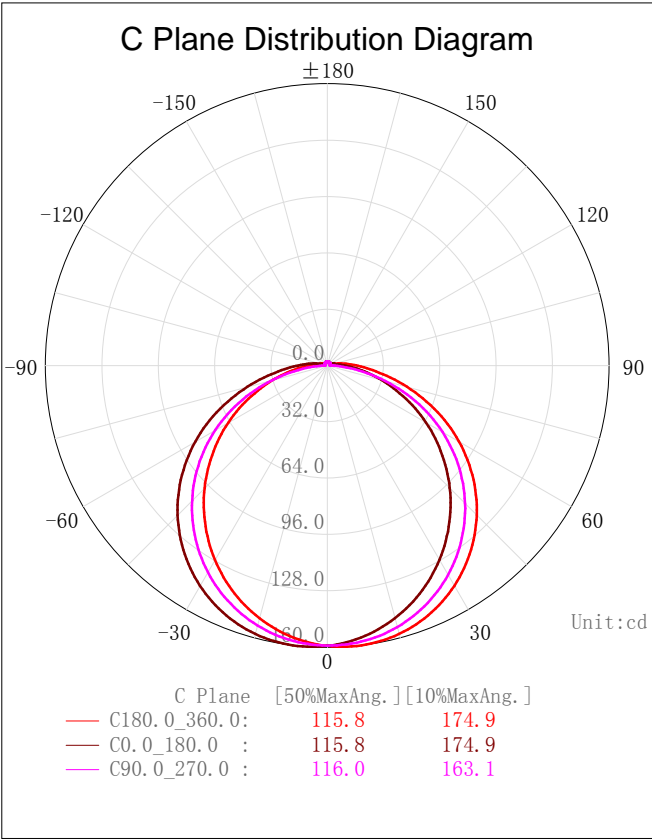
Indoor Luminaire Photometric Data

Description Information

Luminary Name: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Date: 2020/08/15
Manufacture:	Shld. Ang(°):	Test Machine:G0N-2000
Test Lab: VOLNIC	Frequency(Hz):	Lamp CCT(K): Ra:
Lum. Size(W*L*H):0.025m*1.200m*0.015m	Lum. Area(m2):0.048	Lum. W(kg): 3.000
Test System: C, γ	Test Step: C=45.0 γ=1.0	Temp. (°C): 25
		Humidity(%):

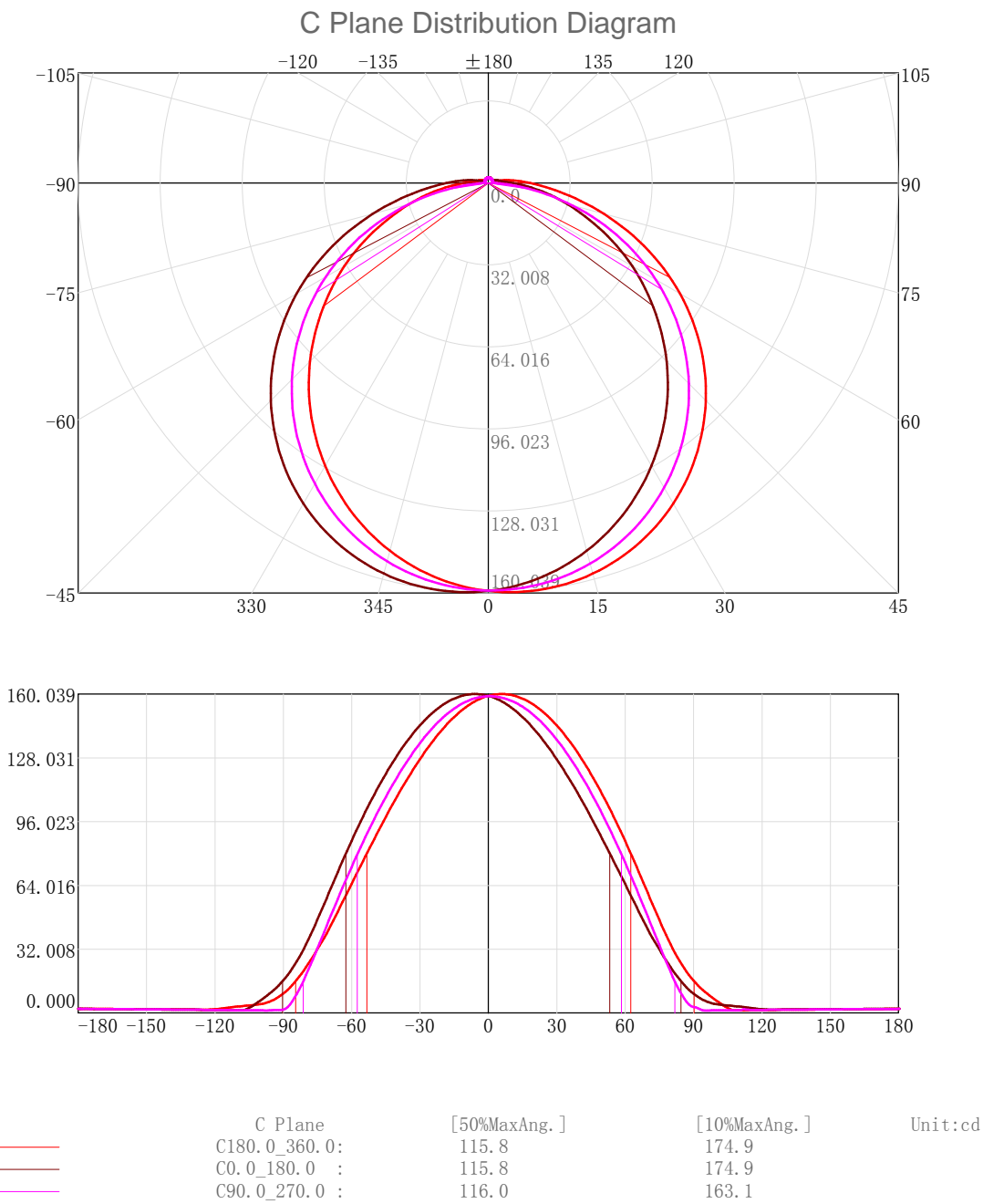
Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 500.510	Luminary Flux(lm): 500.510	Field Angle(10%Imax): 174.9(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 483.812lm 96.66%
Rated Voltage(V):	Luminary EER(lm/W): 48.126	Up Lumens&Percent: 16.698lm 3.34%
Tested Power(W): 10.400	Max. Candela(cd): 160.039	S/MH: C0_a180=1.270 C90_270=1.274
Lamps' Inside: 1	Max Cand@Ang. (°): C=180.0 γ=6.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf):24.0, 0.433, 1.000	Beam Angle(50%Imax): 115.8(°)	ErP Φuse(120°): 370.276lm
Lamp Size(W*L*H):0.025m*1.200m*0.015m	Left=-53.3°, Right=62.5°	IRF(%): 111.551



2D Plane Light Intensity Distribution Curve

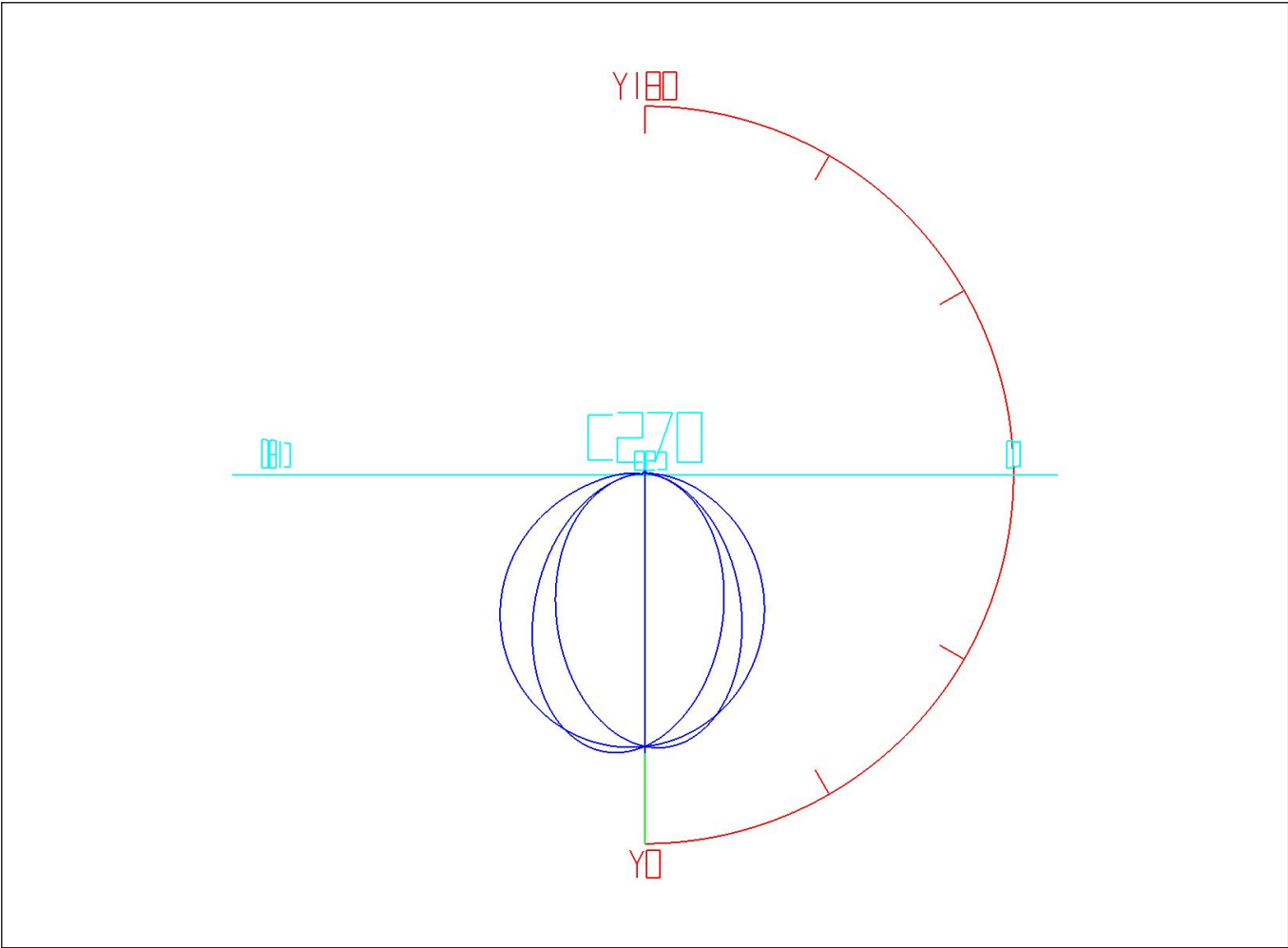
Lum. Name: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15



3D Light Intensity Distribution Modal

Lum. Name: F08-24V-120-3000K	Lum. Catelog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catelog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15

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:F08-24V-120-3000K.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	0.15	0.15	0.03	0.03	44.0-45.0	8.48	246.69	1.70	49.29
1.0-2.0	0.46	0.61	0.09	0.12	45.0-46.0	8.47	255.16	1.69	50.98
2.0-3.0	0.76	1.37	0.15	0.27	46.0-47.0	8.45	263.61	1.69	52.67
3.0-4.0	1.06	2.43	0.21	0.49	47.0-48.0	8.42	272.03	1.68	54.35
4.0-5.0	1.36	3.79	0.27	0.76	48.0-49.0	8.37	280.40	1.67	56.02
5.0-6.0	1.66	5.46	0.33	1.09	49.0-50.0	8.32	288.72	1.66	57.69
6.0-7.0	1.96	7.42	0.39	1.48	50.0-51.0	8.25	296.97	1.65	59.33
7.0-8.0	2.26	9.67	0.45	1.93	51.0-52.0	8.18	305.15	1.63	60.97
8.0-9.0	2.55	12.22	0.51	2.44	52.0-53.0	8.09	313.24	1.62	62.58
9.0-10.0	2.84	15.06	0.57	3.01	53.0-54.0	7.99	321.24	1.60	64.18
10.0-11.0	3.12	18.18	0.62	3.63	54.0-55.0	7.89	329.12	1.58	65.76
11.0-12.0	3.40	21.58	0.68	4.31	55.0-56.0	7.77	336.89	1.55	67.31
12.0-13.0	3.68	25.25	0.73	5.05	56.0-57.0	7.64	344.54	1.53	68.84
13.0-14.0	3.95	29.20	0.79	5.83	57.0-58.0	7.51	352.04	1.50	70.34
14.0-15.0	4.22	33.42	0.84	6.68	58.0-59.0	7.36	359.41	1.47	71.81
15.0-16.0	4.48	37.89	0.89	7.57	59.0-60.0	7.21	366.61	1.44	73.25
16.0-17.0	4.73	42.63	0.95	8.52	60.0-61.0	7.04	373.65	1.41	74.65
17.0-18.0	4.98	47.61	1.00	9.51	61.0-62.0	6.87	380.52	1.37	76.03
18.0-19.0	5.22	52.83	1.04	10.56	62.0-63.0	6.69	387.21	1.34	77.36
19.0-20.0	5.46	58.29	1.09	11.65	63.0-64.0	6.50	393.70	1.30	78.66
20.0-21.0	5.69	63.98	1.14	12.78	64.0-65.0	6.30	400.00	1.26	79.92
21.0-22.0	5.91	69.89	1.18	13.96	65.0-66.0	6.09	406.10	1.22	81.14
22.0-23.0	6.12	76.01	1.22	15.19	66.0-67.0	5.88	411.98	1.17	82.31
23.0-24.0	6.33	82.34	1.26	16.45	67.0-68.0	5.66	417.64	1.13	83.44
24.0-25.0	6.53	88.87	1.30	17.76	68.0-69.0	5.44	423.07	1.09	84.53
25.0-26.0	6.72	95.59	1.34	19.10	69.0-70.0	5.20	428.28	1.04	85.57
26.0-27.0	6.90	102.49	1.38	20.48	70.0-71.0	4.97	433.24	0.99	86.56
27.0-28.0	7.07	109.56	1.41	21.89	71.0-72.0	4.73	437.97	0.94	87.51
28.0-29.0	7.23	116.79	1.45	23.33	72.0-73.0	4.49	442.46	0.90	88.40
29.0-30.0	7.39	124.18	1.48	24.81	73.0-74.0	4.24	446.70	0.85	89.25
30.0-31.0	7.53	131.71	1.50	26.32	74.0-75.0	4.00	450.70	0.80	90.05
31.0-32.0	7.67	139.38	1.53	27.85	75.0-76.0	3.75	454.45	0.75	90.80
32.0-33.0	7.79	147.17	1.56	29.40	76.0-77.0	3.50	457.95	0.70	91.50
33.0-34.0	7.91	155.08	1.58	30.98	77.0-78.0	3.26	461.21	0.65	92.15
34.0-35.0	8.01	163.09	1.60	32.58	78.0-79.0	3.02	464.23	0.60	92.75
35.0-36.0	8.11	171.20	1.62	34.20	79.0-80.0	2.79	467.02	0.56	93.31
36.0-37.0	8.19	179.39	1.64	35.84	80.0-81.0	2.55	469.57	0.51	93.82
37.0-38.0	8.27	187.65	1.65	37.49	81.0-82.0	2.33	471.90	0.47	94.28
38.0-39.0	8.33	195.98	1.66	39.16	82.0-83.0	2.11	474.01	0.42	94.71
39.0-40.0	8.38	204.36	1.67	40.83	83.0-84.0	1.91	475.92	0.38	95.09
40.0-41.0	8.42	212.79	1.68	42.51	84.0-85.0	1.71	477.64	0.34	95.43
41.0-42.0	8.45	221.24	1.69	44.20	85.0-86.0	1.53	479.17	0.31	95.74
42.0-43.0	8.48	229.72	1.69	45.90	86.0-87.0	1.37	480.54	0.27	96.01
43.0-44.0	8.49	238.20	1.70	47.59	87.0-88.0	1.22	481.75	0.24	96.25

IES Indoor Report

Photometric Filename:F08-24V-120-3000K.IES

Zonal Flux Tabulation - (Cont.)

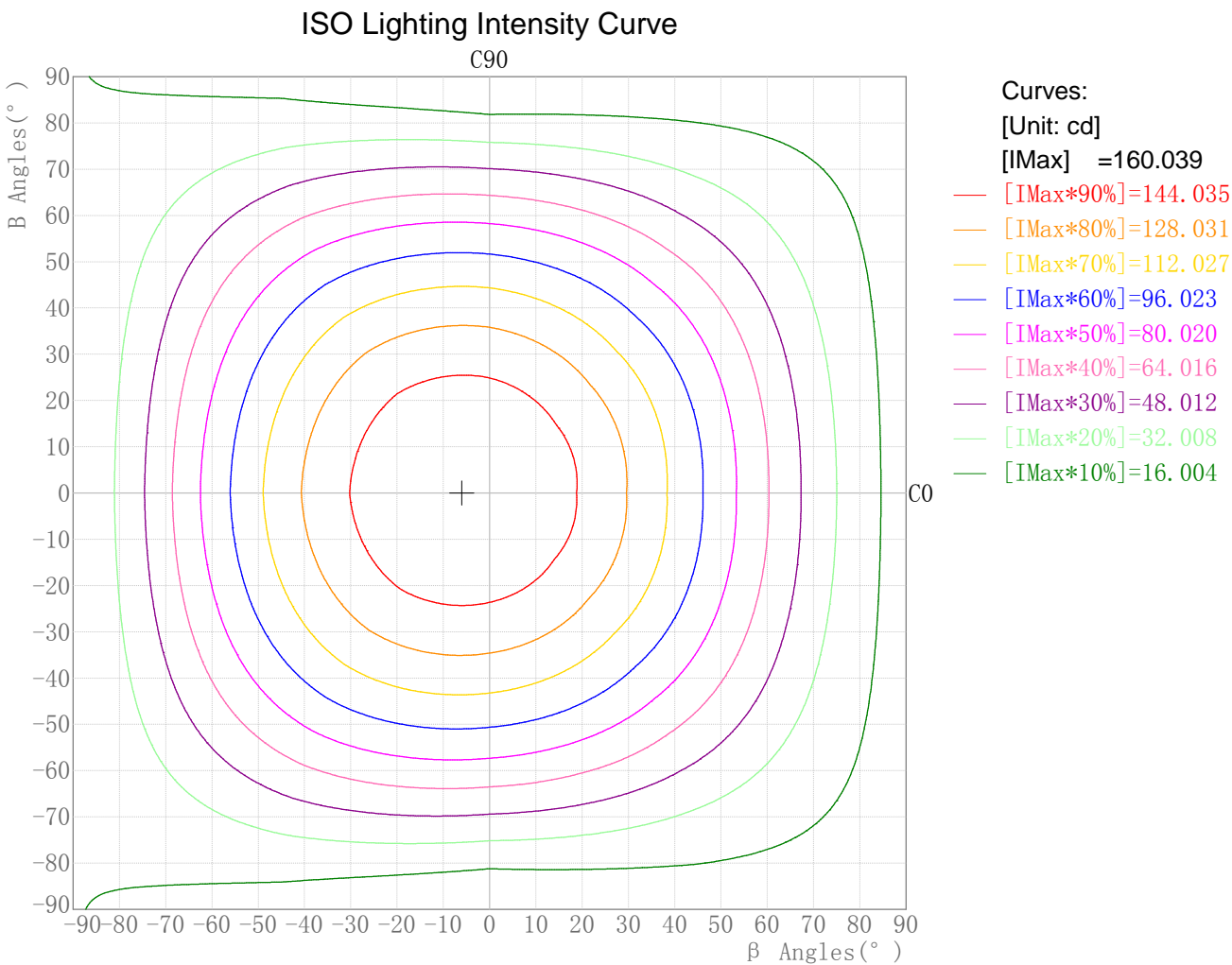
Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp	Zone (γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
88.0-89.0	1.09	482.84	0.22	96.47	132.0-133.0	0.16	496.50	0.03	99.20
89.0-90.0	0.97	483.81	0.19	96.66	133.0-134.0	0.15	496.65	0.03	99.23
90.0-91.0	0.88	484.69	0.18	96.84	134.0-135.0	0.15	496.80	0.03	99.26
91.0-92.0	0.80	485.49	0.16	97.00	135.0-136.0	0.15	496.95	0.03	99.29
92.0-93.0	0.72	486.21	0.14	97.14	136.0-137.0	0.15	497.10	0.03	99.32
93.0-94.0	0.65	486.87	0.13	97.27	137.0-138.0	0.14	497.25	0.03	99.35
94.0-95.0	0.59	487.46	0.12	97.39	138.0-139.0	0.14	497.39	0.03	99.38
95.0-96.0	0.54	488.00	0.11	97.50	139.0-140.0	0.14	497.53	0.03	99.40
96.0-97.0	0.49	488.49	0.10	97.60	140.0-141.0	0.14	497.66	0.03	99.43
97.0-98.0	0.44	488.93	0.09	97.69	141.0-142.0	0.13	497.80	0.03	99.46
98.0-99.0	0.41	489.34	0.08	97.77	142.0-143.0	0.13	497.93	0.03	99.48
99.0-100.0	0.38	489.72	0.08	97.84	143.0-144.0	0.13	498.06	0.03	99.51
100.0-101.0	0.35	490.06	0.07	97.91	144.0-145.0	0.13	498.19	0.03	99.54
101.0-102.0	0.32	490.38	0.06	97.98	145.0-146.0	0.12	498.31	0.02	99.56
102.0-103.0	0.30	490.68	0.06	98.04	146.0-147.0	0.12	498.43	0.02	99.58
103.0-104.0	0.28	490.96	0.06	98.09	147.0-148.0	0.12	498.55	0.02	99.61
104.0-105.0	0.26	491.22	0.05	98.14	148.0-149.0	0.11	498.66	0.02	99.63
105.0-106.0	0.25	491.47	0.05	98.19	149.0-150.0	0.11	498.77	0.02	99.65
106.0-107.0	0.24	491.71	0.05	98.24	150.0-151.0	0.11	498.88	0.02	99.67
107.0-108.0	0.23	491.94	0.05	98.29	151.0-152.0	0.11	498.99	0.02	99.70
108.0-109.0	0.22	492.16	0.04	98.33	152.0-153.0	0.10	499.09	0.02	99.72
109.0-110.0	0.22	492.38	0.04	98.38	153.0-154.0	0.10	499.19	0.02	99.74
110.0-111.0	0.21	492.59	0.04	98.42	154.0-155.0	0.10	499.29	0.02	99.76
111.0-112.0	0.21	492.80	0.04	98.46	155.0-156.0	0.09	499.38	0.02	99.77
112.0-113.0	0.21	493.01	0.04	98.50	156.0-157.0	0.09	499.47	0.02	99.79
113.0-114.0	0.20	493.21	0.04	98.54	157.0-158.0	0.09	499.55	0.02	99.81
114.0-115.0	0.20	493.40	0.04	98.58	158.0-159.0	0.08	499.64	0.02	99.83
115.0-116.0	0.19	493.59	0.04	98.62	159.0-160.0	0.08	499.72	0.02	99.84
116.0-117.0	0.19	493.78	0.04	98.66	160.0-161.0	0.08	499.79	0.02	99.86
117.0-118.0	0.18	493.97	0.04	98.69	161.0-162.0	0.07	499.86	0.01	99.87
118.0-119.0	0.18	494.15	0.04	98.73	162.0-163.0	0.07	499.93	0.01	99.88
119.0-120.0	0.18	494.33	0.04	98.76	163.0-164.0	0.06	500.00	0.01	99.90
120.0-121.0	0.18	494.51	0.04	98.80	164.0-165.0	0.06	500.06	0.01	99.91
121.0-122.0	0.18	494.68	0.04	98.84	165.0-166.0	0.06	500.12	0.01	99.92
122.0-123.0	0.17	494.86	0.03	98.87	166.0-167.0	0.05	500.17	0.01	99.93
123.0-124.0	0.17	495.03	0.03	98.90	167.0-168.0	0.05	500.22	0.01	99.94
124.0-125.0	0.17	495.20	0.03	98.94	168.0-169.0	0.05	500.27	0.01	99.95
125.0-126.0	0.17	495.37	0.03	98.97	169.0-170.0	0.04	500.31	0.01	99.96
126.0-127.0	0.17	495.54	0.03	99.01	170.0-171.0	0.04	500.35	0.01	99.97
127.0-128.0	0.17	495.70	0.03	99.04	171.0-172.0	0.03	500.38	0.01	99.97
128.0-129.0	0.16	495.86	0.03	99.07	172.0-173.0	0.03	500.41	0.01	99.98
129.0-130.0	0.16	496.03	0.03	99.10	173.0-174.0	0.03	500.44	0.01	99.99
130.0-131.0	0.16	496.19	0.03	99.14	174.0-175.0	0.02	500.46	0.00	99.99
131.0-132.0	0.16	496.34	0.03	99.17	175.0-176.0	0.02	500.48	0.00	99.99

Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
176.0-177.0	0.01	500.49	0.00	100.00
177.0-178.0	0.01	500.50	0.00	100.00
178.0-179.0	0.01	500.51	0.00	100.00
179.0-180.0	0.00	500.51	0.00	100.00

Rectangle ISO Lighting Intensity Diagram

Lum. Name: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15



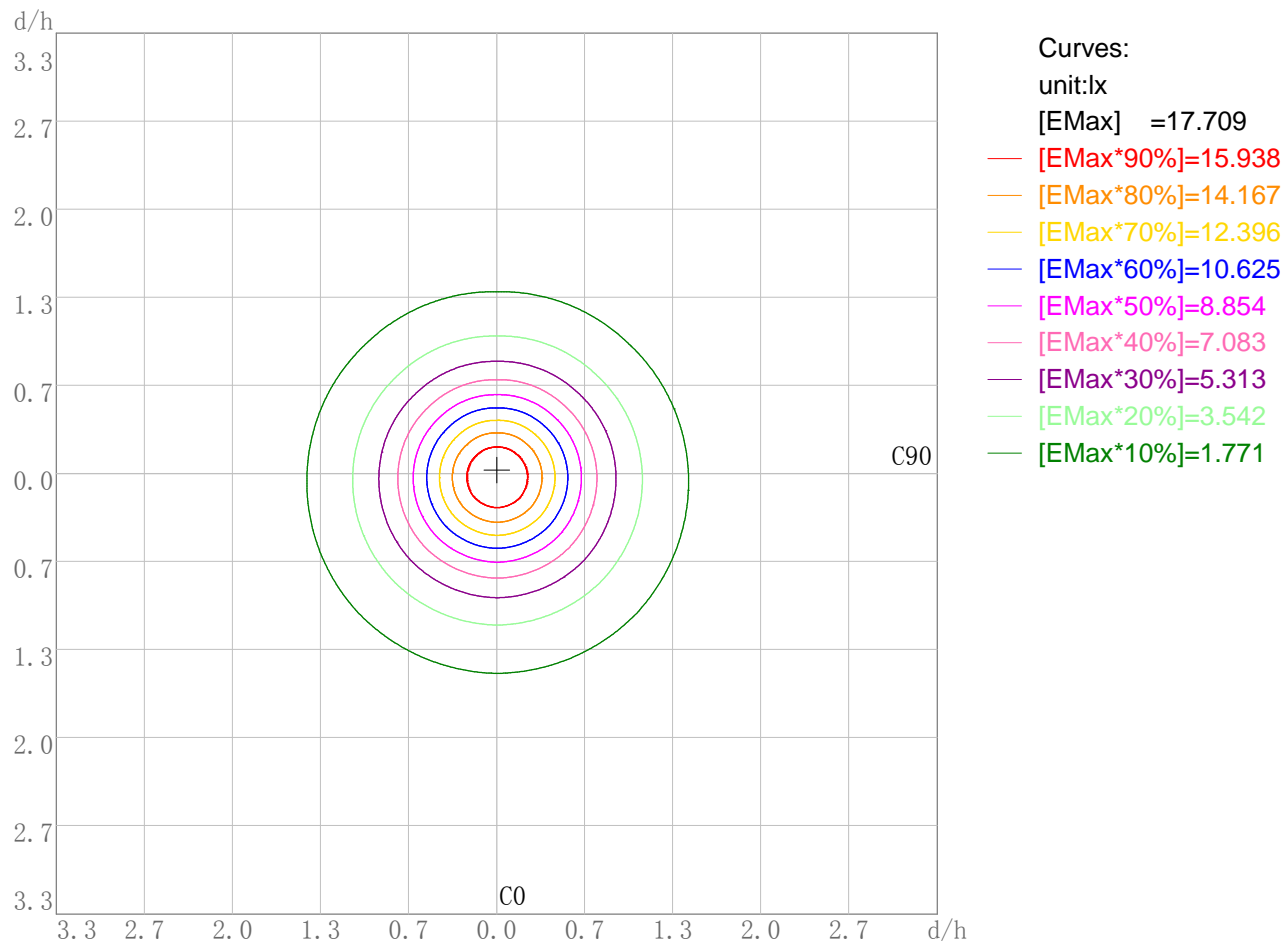
Maximum Light Intensity(cd): 160.04

Maximum Cand.@Angle: H=-6.0°,V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15

Plane ISO-Illuminance Curve

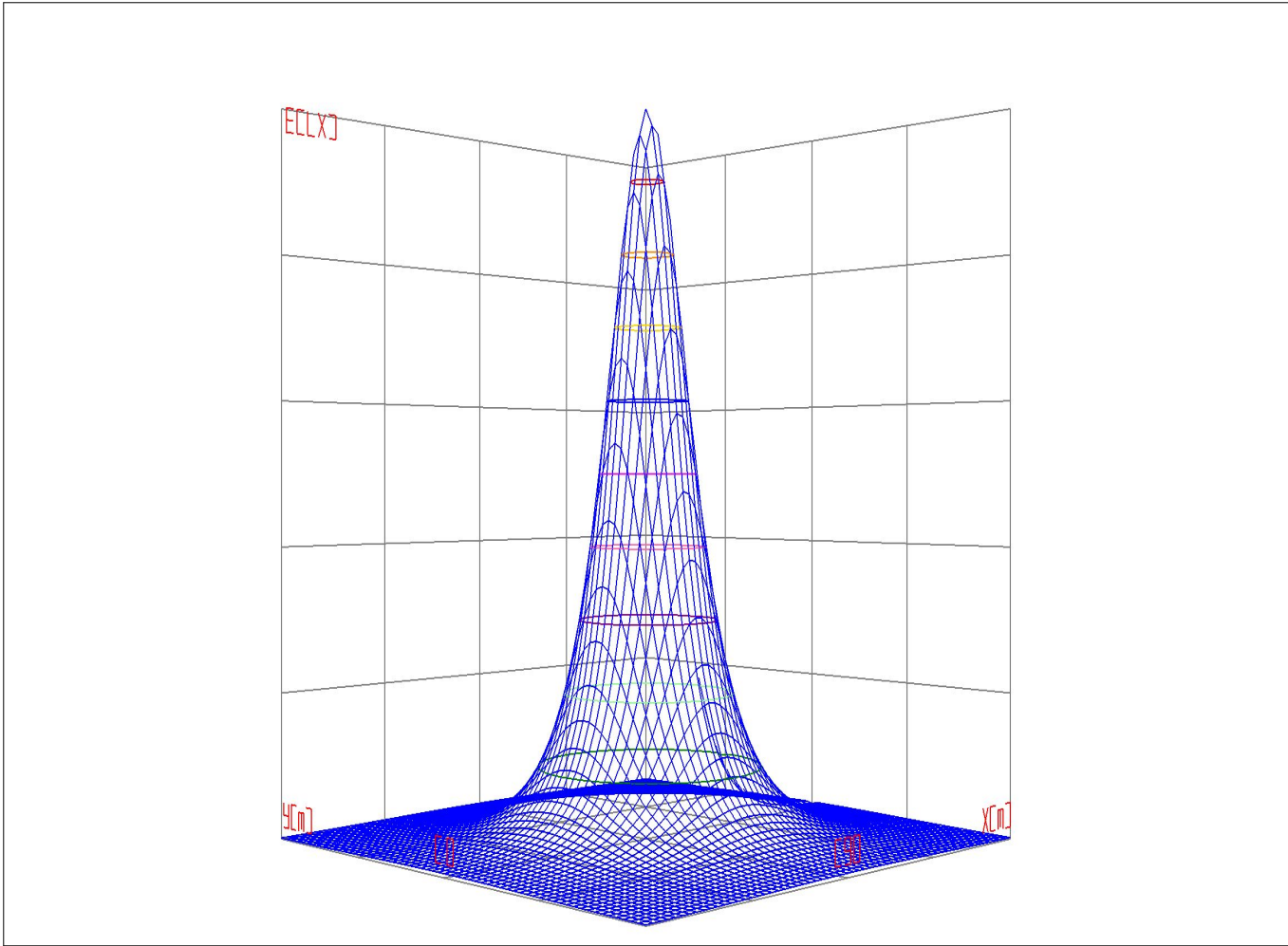


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 17.71
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

3D Plane ISO Illuminance Diagram

Lum. Name: F08-24V-120-3000K	Lum. Catelog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catelog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15

3D Plane Illuminance Modal

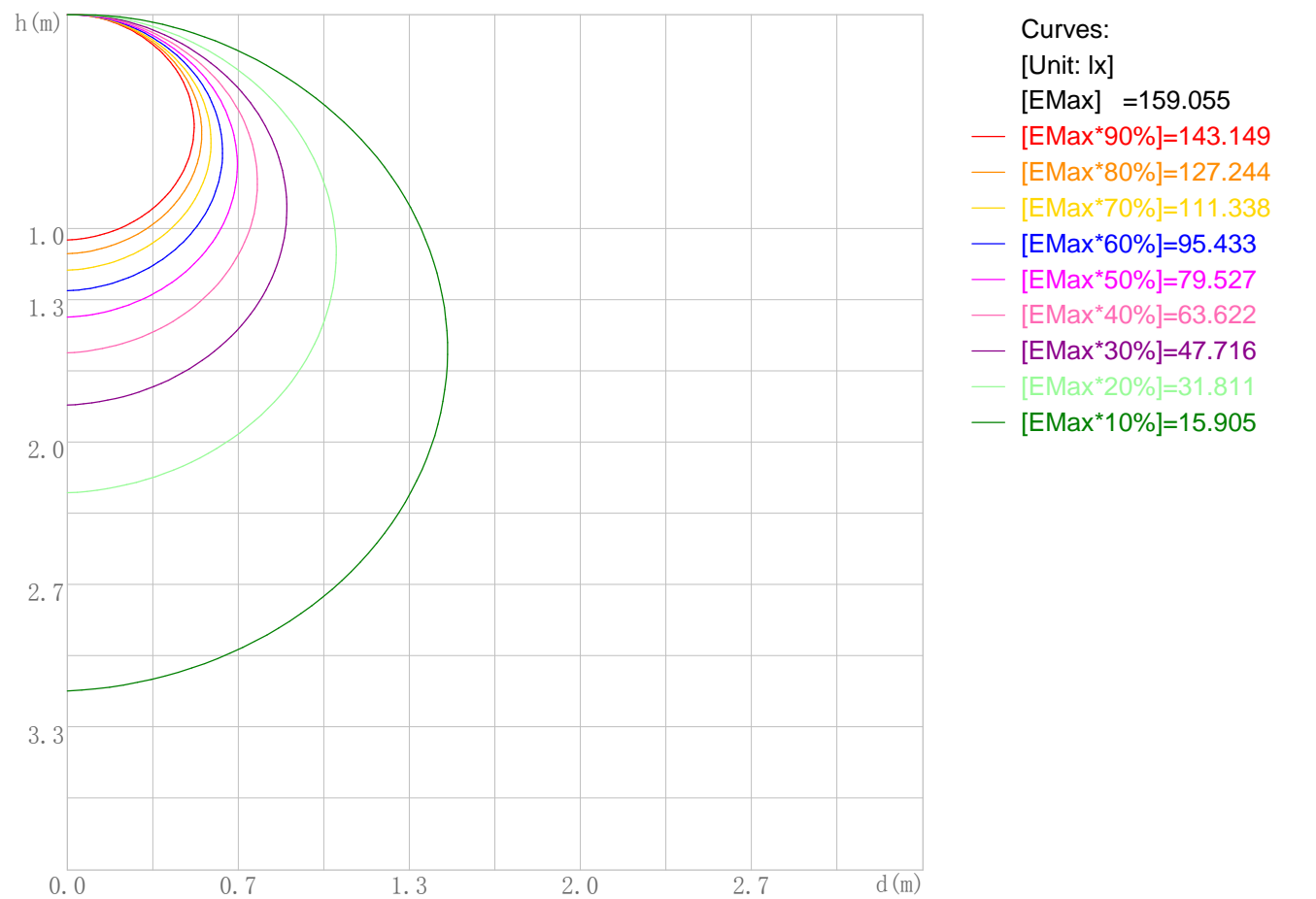


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: F08-24V-120-3000K	Lum. Catelog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catelog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15

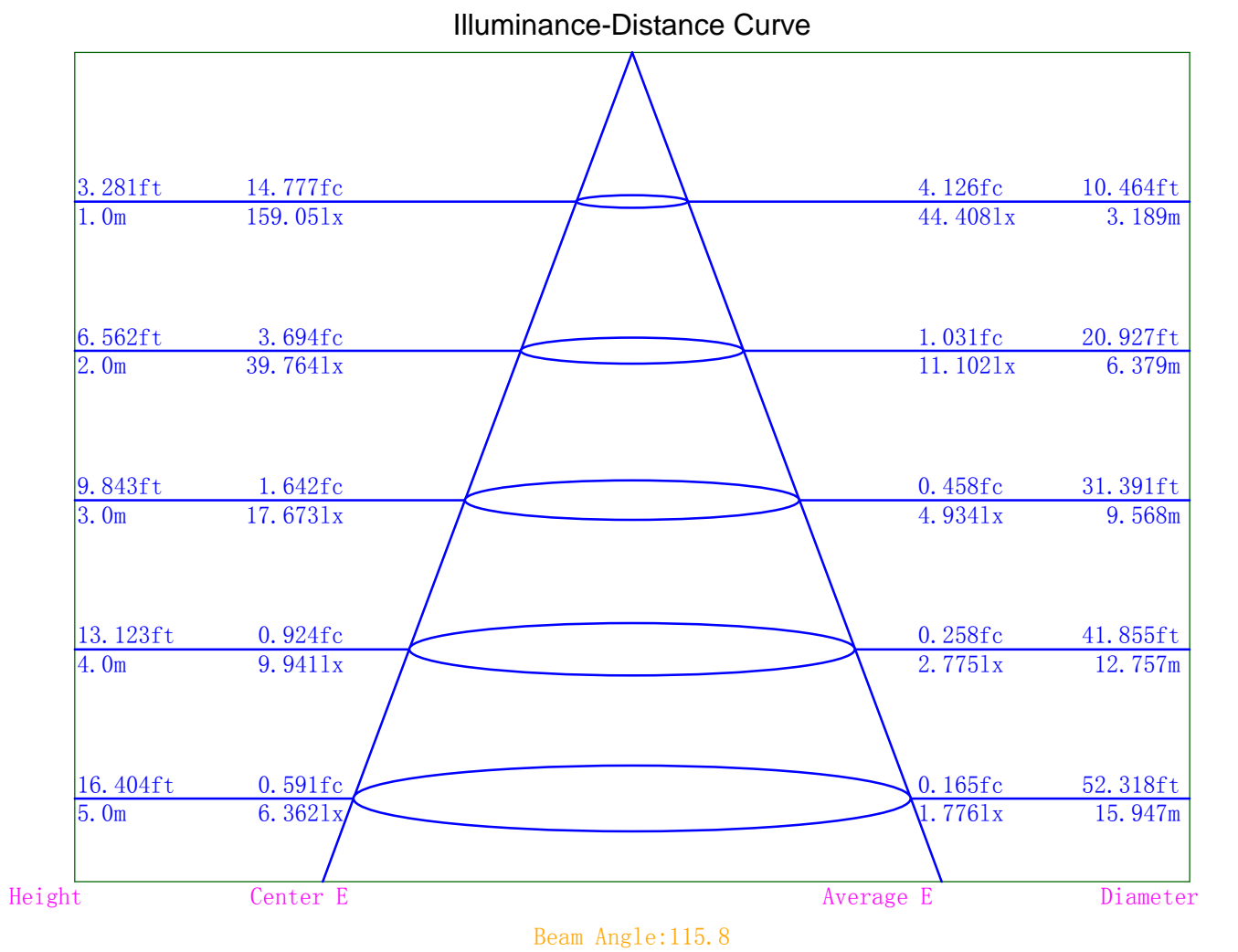
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:159.05lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:159.055cd,0deg

Illuminance-Distance Diagram

Lum. Name: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15



Indoor Luminance Limiting Curves

Lum. Name:	F08-24V-120-3000K	Lum. Catalog:		Test ID:	001
Lamp Name:	F08-24V-120-3000K	Lamp Catalog:	LED	Test Lab:	VOLNIC
Manufacture:		Test Machine:	GON-2000	Test Date:	2020/08/15

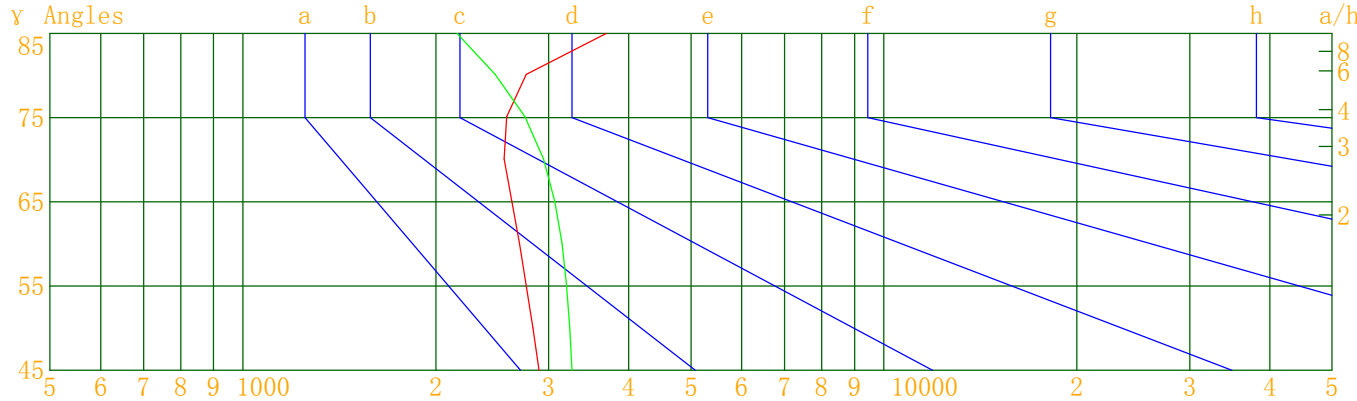
Glare Grade Table

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	2898	2835	2768	2700	2627	2555	2578	2766	3689
C90	3260	3235	3199	3147	3067	2944	2754	2475	2159

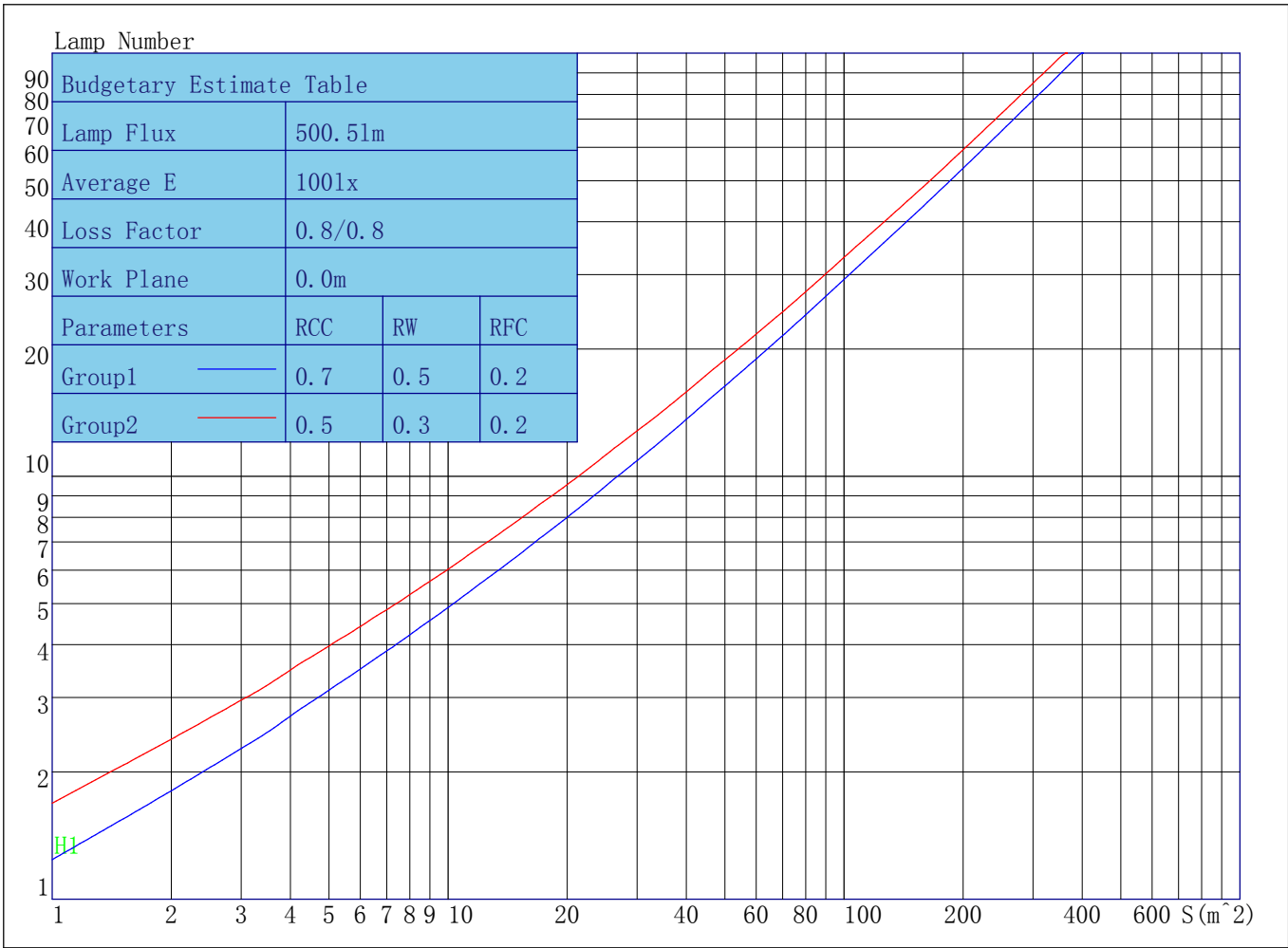
Luminance Limiting Curve



Luminous Size: Length(m)=1.200 Width(m)=0.025 Height(m)=0.015 Area(m^2)=0.048000
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: F08-24V-120-3000K	Lum. Catelog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catelog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15



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: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15

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	97
1	107	102	97	93	104	99	95	91	94	91	88	90	87	85	86	84	82	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	75	71	68	65
3	88	77	69	62	85	75	68	61	72	65	60	69	63	58	66	61	57	54
4	81	68	59	52	78	67	58	52	64	56	51	61	55	50	58	53	49	46
5	74	61	52	45	72	60	51	44	57	49	44	55	48	43	52	47	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	37	47	42	37	35
7	63	50	41	34	61	49	40	34	47	39	34	45	38	33	43	37	33	31
8	59	45	36	31	57	44	36	30	43	35	30	41	34	30	40	34	29	27
9	55	41	33	27	53	41	33	27	39	32	27	38	31	27	37	31	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	29	24	34	28	24	22

IES Indoor Report

Photometric Filename:F08-24V-120-3000K.IES

Unified Glare Rating Table

Lum. Name: F08-24V-120-3000K	Lum. Catalog:	Test ID: 001
Lamp Name: F08-24V-120-3000K	Lamp Catalog: LED	Test Lab: VOLNIC
Manufacture:	Test Machine:GON-2000	Test Date: 2020/08/15

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 Y=3H Y=4H Y=6H Y=8H Y=12H	15.4	17.0	15.8	17.3	17.7	16.2	17.8	16.6	18.2	18.6
	17.0	18.5	17.5	18.9	19.3	18.0	19.4	18.4	19.8	20.2
	17.8	19.1	18.2	19.6	20.0	18.7	20.0	19.1	20.4	20.9
	18.5	19.7	18.9	20.2	20.6	19.2	20.4	19.6	20.9	21.3
	18.8	20.0	19.3	20.5	20.9	19.4	20.6	19.8	21.0	21.5
	19.1	20.3	19.6	20.7	21.2	19.5	20.6	20.0	21.1	21.6
X=4H Y=2H Y=3H Y=4H Y=6H Y=8H Y=12H	16.2	17.5	16.6	17.9	18.4	17.0	18.4	17.5	18.8	19.3
	18.0	19.2	18.5	19.6	20.1	19.0	20.1	19.4	20.6	21.0
	18.9	19.9	19.4	20.4	20.9	19.8	20.8	20.3	21.3	21.8
	19.8	20.7	20.3	21.2	21.7	20.5	21.4	21.0	21.9	22.4
	20.1	21.0	20.7	21.5	22.0	20.7	21.5	21.2	22.0	22.6
	20.6	21.3	21.1	21.9	22.4	20.9	21.6	21.4	22.2	22.7
X=8H Y=4H Y=6H Y=8H Y=12H	19.3	20.1	19.8	20.6	21.2	20.2	21.1	20.7	21.6	22.1
	20.3	21.0	20.8	21.6	22.2	21.0	21.7	21.6	22.3	23.0
	20.8	21.4	21.4	22.0	22.6	21.4	22.0	21.9	22.6	23.1
	21.4	21.9	21.9	22.5	23.1	21.7	22.2	22.2	22.8	23.4
X=12H Y=4H Y=6H Y=8H	19.3	20.1	19.9	20.6	21.2	20.3	21.0	20.8	21.6	22.1
	20.4	21.0	21.0	21.6	22.2	21.2	21.8	21.8	22.3	22.9
	21.0	21.5	21.5	22.1	22.7	21.6	22.1	22.1	22.7	23.3
Variations with the objerver position at spacings										
S=1.0H	0.3/-0.3					0.5/-0.5				
S=1.5H	0.5/-0.5					0.8/-0.9				
S=2.0H	0.6/-0.7					0.9/-1.1				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	3.5					3.2				

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

IES Indoor Report

Photometric Filename:F08-24V-120-3000K.IES

Candela Tabulation

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
Υ 0.0	159.05	159.05	159.05	159.05	159.05	159.05	159.05	159.05
Υ 1.0	158.81	158.77	158.94	159.26	159.43	159.20	158.89	158.78
Υ 2.0	158.40	158.48	158.90	159.44	159.65	159.33	158.79	158.46
Υ 3.0	157.96	158.14	158.79	159.54	159.83	159.39	158.63	158.07
Υ 4.0	157.46	157.75	158.64	159.61	159.95	159.41	158.40	157.65
Υ 5.0	156.89	157.30	158.44	159.61	160.02	159.39	158.16	157.17
Υ 6.0	156.28	156.81	158.19	159.57	160.04	159.31	157.85	156.64
Υ 7.0	155.63	156.25	157.90	159.48	160.00	159.16	157.48	156.05
Υ 8.0	154.90	155.67	157.54	159.34	159.91	158.96	157.05	155.41
Υ 9.0	154.13	155.01	157.14	159.12	159.74	158.73	156.58	154.72
Υ 10.0	153.32	154.31	156.70	158.87	159.55	158.43	156.07	153.98
Υ 11.0	152.46	153.57	156.19	158.55	159.29	158.07	155.51	153.20
Υ 12.0	151.54	152.77	155.65	158.19	158.98	157.68	154.90	152.36
Υ 13.0	150.58	151.93	155.05	157.79	158.61	157.22	154.20	151.48
Υ 14.0	149.56	151.04	154.38	157.32	158.20	156.70	153.49	150.54
Υ 15.0	148.49	150.10	153.67	156.80	157.72	156.15	152.72	149.55
Υ 16.0	147.39	149.11	152.92	156.22	157.20	155.53	151.89	148.54
Υ 17.0	146.23	148.07	152.12	155.59	156.62	154.87	151.03	147.46
Υ 18.0	145.03	146.96	151.27	154.93	155.98	154.14	150.12	146.33
Υ 19.0	143.78	145.84	150.35	154.18	155.29	153.37	149.14	145.16
Υ 20.0	142.48	144.66	149.40	153.39	154.55	152.54	148.14	143.97
Υ 21.0	141.16	143.45	148.39	152.56	153.76	151.67	147.07	142.71
Υ 22.0	139.79	142.17	147.33	151.67	152.92	150.76	145.96	141.41
Υ 23.0	138.36	140.87	146.24	150.74	152.02	149.77	144.79	140.07
Υ 24.0	136.90	139.52	145.08	149.74	151.08	148.74	143.60	138.69
Υ 25.0	135.40	138.11	143.90	148.71	150.09	147.67	142.34	137.26
Υ 26.0	133.87	136.68	142.66	147.61	149.04	146.53	141.05	135.79
Υ 27.0	132.31	135.20	141.36	146.47	147.94	145.35	139.71	134.30
Υ 28.0	130.68	133.68	140.03	145.28	146.77	144.13	138.32	132.76
Υ 29.0	129.03	132.13	138.65	144.04	145.57	142.86	136.88	131.18
Υ 30.0	127.35	130.52	137.22	142.75	144.34	141.53	135.41	129.55
Υ 31.0	125.62	128.88	135.74	141.41	143.04	140.17	133.89	127.91
Υ 32.0	123.88	127.21	134.24	140.01	141.71	138.75	132.33	126.21
Υ 33.0	122.09	125.50	132.68	138.58	140.30	137.27	130.73	124.48
Υ 34.0	120.27	123.75	131.06	137.09	138.86	135.76	129.06	122.71
Υ 35.0	118.42	121.97	129.41	135.56	137.37	134.20	127.38	120.94
Υ 36.0	116.55	120.15	127.72	133.99	135.84	132.60	125.66	119.10
Υ 37.0	114.63	118.30	125.98	132.37	134.26	130.95	123.88	117.25
Υ 38.0	112.69	116.43	124.21	130.70	132.63	129.26	122.09	115.38
Υ 39.0	110.72	114.51	122.39	128.98	130.95	127.50	120.23	113.44
Υ 40.0	108.72	112.56	120.54	127.21	129.24	125.72	118.35	111.49
Υ 41.0	106.70	110.57	118.64	125.39	127.45	123.90	116.43	109.50
Υ 42.0	104.66	108.57	116.71	123.54	125.64	122.04	114.47	107.49
Υ 43.0	102.58	106.52	114.73	121.66	123.80	120.12	112.49	105.44

IES Indoor Report

Photometric Filename:F08-24V-120-3000K.IES

Candela Tabulation - (Cont.)

V/H	C0. 0	C45. 0	C90. 0	C135. 0	C180. 0	C225. 0	C270. 0	C315. 0
Y 44. 0	100. 48	104. 44	112. 72	119. 72	121. 92	118. 17	110. 44	103. 39
Y 45. 0	98. 36	102. 36	110. 66	117. 74	119. 99	116. 18	108. 36	101. 30
Y 46. 0	96. 22	100. 23	108. 56	115. 73	118. 03	114. 14	106. 26	99. 17
Y 47. 0	94. 06	98. 09	106. 44	113. 66	116. 02	112. 07	104. 14	97. 03
Y 48. 0	91. 87	95. 90	104. 27	111. 56	113. 97	109. 95	101. 95	94. 87
Y 49. 0	89. 67	93. 69	102. 07	109. 40	111. 88	107. 80	99. 73	92. 67
Y 50. 0	87. 46	91. 46	99. 82	107. 22	109. 73	105. 61	97. 47	90. 43
Y 51. 0	85. 22	89. 20	97. 55	105. 00	107. 56	103. 39	95. 19	88. 19
Y 52. 0	82. 99	86. 92	95. 23	102. 74	105. 36	101. 11	92. 87	85. 93
Y 53. 0	80. 74	84. 62	92. 90	100. 43	103. 10	98. 81	90. 54	83. 65
Y 54. 0	78. 49	82. 30	90. 50	98. 09	100. 82	96. 46	88. 16	81. 34
Y 55. 0	76. 22	79. 95	88. 08	95. 74	98. 50	94. 08	85. 75	79. 01
Y 56. 0	73. 96	77. 58	85. 64	93. 33	96. 15	91. 68	83. 30	76. 68
Y 57. 0	71. 68	75. 21	83. 17	90. 89	93. 76	89. 23	80. 85	74. 32
Y 58. 0	69. 42	72. 81	80. 64	88. 42	91. 33	86. 77	78. 34	71. 94
Y 59. 0	67. 12	70. 37	78. 10	85. 92	88. 87	84. 26	75. 82	69. 56
Y 60. 0	64. 81	67. 96	75. 53	83. 39	86. 37	81. 73	73. 25	67. 17
Y 61. 0	62. 51	65. 52	72. 93	80. 80	83. 85	79. 19	70. 66	64. 76
Y 62. 0	60. 20	63. 06	70. 28	78. 21	81. 30	76. 60	68. 05	62. 36
Y 63. 0	57. 89	60. 62	67. 62	75. 58	78. 72	73. 97	65. 42	59. 96
Y 64. 0	55. 59	58. 17	64. 93	72. 90	76. 11	71. 33	62. 76	57. 57
Y 65. 0	53. 28	55. 72	62. 21	70. 23	73. 48	68. 64	60. 08	55. 15
Y 66. 0	51. 00	53. 26	59. 47	67. 52	70. 82	65. 94	57. 37	52. 74
Y 67. 0	48. 71	50. 82	56. 72	64. 79	68. 17	63. 23	54. 65	50. 34
Y 68. 0	46. 42	48. 36	53. 92	62. 04	65. 51	60. 51	51. 90	47. 94
Y 69. 0	44. 15	45. 91	51. 14	59. 28	62. 80	57. 76	49. 14	45. 53
Y 70. 0	41. 94	43. 47	48. 33	56. 51	60. 11	55. 00	46. 36	43. 13
Y 71. 0	39. 85	41. 06	45. 53	53. 73	57. 42	52. 23	43. 57	40. 76
Y 72. 0	37. 83	38. 64	42. 71	50. 94	54. 74	49. 46	40. 76	38. 40
Y 73. 0	35. 87	36. 24	39. 88	48. 17	52. 10	46. 71	37. 99	36. 03
Y 74. 0	33. 95	33. 87	37. 04	45. 40	49. 46	43. 96	35. 21	33. 71
Y 75. 0	32. 03	31. 51	34. 21	42. 68	46. 84	41. 22	32. 43	31. 42
Y 76. 0	30. 18	29. 27	31. 42	39. 96	44. 26	38. 53	29. 67	29. 23
Y 77. 0	28. 33	27. 14	28. 65	37. 30	41. 73	35. 85	26. 96	27. 17
Y 78. 0	26. 53	25. 11	25. 92	34. 69	39. 24	33. 25	24. 28	25. 17
Y 79. 0	24. 77	23. 16	23. 25	32. 12	36. 80	30. 69	21. 64	23. 24
Y 80. 0	23. 06	21. 27	20. 63	29. 64	34. 42	28. 23	19. 04	21. 37
Y 81. 0	21. 42	19. 43	18. 05	27. 25	32. 17	25. 83	16. 53	19. 57
Y 82. 0	19. 82	17. 65	15. 59	24. 93	30. 05	23. 51	14. 12	17. 81
Y 83. 0	18. 27	15. 98	13. 24	22. 75	28. 00	21. 32	11. 84	16. 12
Y 84. 0	16. 81	14. 39	11. 05	20. 73	26. 06	19. 29	9. 69	14. 56
Y 85. 0	15. 43	12. 90	9. 03	18. 86	24. 20	17. 43	7. 71	13. 07
Y 86. 0	14. 10	11. 56	7. 23	17. 10	22. 47	15. 68	5. 91	11. 69
Y 87. 0	12. 88	10. 34	5. 67	15. 49	20. 80	14. 09	4. 37	10. 42

IES Indoor Report
Photometric Filename:F08-24V-120-3000K.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
Y 88.0	11.75	9.20	4.41	14.03	19.25	12.65	3.11	9.26
Y 89.0	10.73	8.24	3.55	12.69	17.77	11.33	2.24	8.24
Y 90.0	9.77	7.38	3.09	11.47	16.38	10.14	1.73	7.33
Y 91.0	8.91	6.63	2.96	10.37	15.10	9.08	1.66	6.53
Y 92.0	8.13	6.02	2.42	9.36	13.90	8.10	1.65	5.84
Y 93.0	7.42	5.49	1.85	8.47	12.78	7.22	1.66	5.25
Y 94.0	6.80	5.07	1.54	7.62	11.73	6.42	1.57	4.77
Y 95.0	6.25	4.74	1.35	6.83	10.72	5.69	1.43	4.29
Y 96.0	5.77	4.48	1.37	6.11	9.79	5.01	1.40	3.46
Y 97.0	5.37	4.30	1.38	5.39	8.87	4.34	1.38	3.15
Y 98.0	5.03	4.09	1.39	4.72	8.00	3.72	1.38	2.94
Y 99.0	4.76	3.98	1.40	4.03	7.18	3.07	1.41	3.18
Y 100.0	4.55	3.88	1.41	3.43	6.34	2.54	1.41	3.19
Y 101.0	4.38	3.79	1.41	2.92	5.57	2.08	1.41	3.11
Y 102.0	4.18	3.68	1.43	2.50	4.76	1.77	1.43	3.03
Y 103.0	4.03	3.59	1.45	2.30	3.96	1.67	1.44	2.94
Y 104.0	3.93	3.48	1.46	2.26	3.26	1.67	1.46	2.86
Y 105.0	3.84	3.37	1.46	2.26	2.62	1.68	1.46	2.75
Y 106.0	3.75	3.24	1.47	2.26	2.05	1.69	1.45	2.65
Y 107.0	3.63	3.10	1.48	2.25	1.66	1.70	1.47	2.52
Y 108.0	3.54	2.94	1.49	2.25	1.51	1.70	1.49	2.39
Y 109.0	3.43	2.78	1.49	2.26	1.49	1.71	1.50	2.25
Y 110.0	3.34	2.63	1.53	2.24	1.49	1.72	1.52	2.11
Y 111.0	3.22	2.54	1.61	2.23	1.51	1.74	1.52	1.99
Y 112.0	3.10	2.47	2.07	2.24	1.51	1.74	1.53	1.91
Y 113.0	2.97	2.41	1.81	2.24	1.53	1.74	1.54	1.85
Y 114.0	2.83	2.39	1.70	2.24	1.53	1.75	1.56	1.80
Y 115.0	2.67	2.35	1.58	2.24	1.55	1.76	1.57	1.78
Y 116.0	2.50	2.36	1.59	2.23	1.56	1.76	1.58	1.78
Y 117.0	2.32	2.36	1.59	2.22	1.59	1.78	1.61	1.78
Y 118.0	2.16	2.36	1.61	2.22	1.59	1.79	1.61	1.80
Y 119.0	2.05	2.35	1.61	2.22	1.62	1.80	1.63	1.81
Y 120.0	1.98	2.34	1.63	2.23	1.63	1.81	1.64	1.84
Y 121.0	1.90	2.34	1.66	2.21	1.64	1.81	1.66	1.84
Y 122.0	1.85	2.33	1.65	2.22	1.66	1.83	1.66	1.86
Y 123.0	1.81	2.33	1.74	2.22	1.65	1.85	1.67	1.86
Y 124.0	1.80	2.32	1.71	2.21	1.66	1.84	1.66	1.88
Y 125.0	1.80	2.32	1.69	2.21	1.67	1.85	1.68	1.88
Y 126.0	1.81	2.32	1.69	2.19	1.67	1.86	1.70	1.89
Y 127.0	1.82	2.32	1.70	2.20	1.69	1.87	1.71	1.90
Y 128.0	1.82	2.31	1.71	2.18	1.70	1.88	1.72	1.91
Y 129.0	1.84	2.30	1.72	2.17	1.70	1.89	1.72	1.93
Y 130.0	1.85	2.28	1.72	2.17	1.71	1.89	1.73	1.94
Y 131.0	1.86	2.27	1.74	2.16	1.73	1.90	1.74	1.94

IES Indoor Report

Photometric Filename:F08-24V-120-3000K.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
Y 132.0	1.87	2.27	1.75	2.16	1.73	1.91	1.75	1.96
Y 133.0	1.87	2.27	1.74	2.17	1.74	1.92	1.76	1.98
Y 134.0	1.87	2.25	1.77	2.17	1.75	1.92	1.77	1.99
Y 135.0	1.89	2.25	1.77	2.16	1.76	1.94	1.78	2.00
Y 136.0	1.91	2.23	1.78	2.16	1.77	1.94	1.78	2.00
Y 137.0	1.90	2.23	1.78	2.16	1.76	1.95	1.80	2.00
Y 138.0	1.90	2.23	1.80	2.15	1.78	1.94	1.81	2.00
Y 139.0	1.93	2.23	1.81	2.15	1.78	1.92	1.82	2.01
Y 140.0	1.92	2.23	1.81	2.15	1.80	1.94	1.83	2.01
Y 141.0	1.94	2.22	1.84	2.13	1.81	1.95	1.83	2.01
Y 142.0	1.95	2.21	1.85	2.13	1.81	1.96	1.85	2.02
Y 143.0	1.95	2.20	1.86	2.14	1.82	1.96	1.87	2.04
Y 144.0	1.96	2.20	1.86	2.12	1.84	1.96	1.87	2.03
Y 145.0	1.97	2.19	1.87	2.12	1.85	1.97	1.88	2.02
Y 146.0	1.97	2.20	1.87	2.12	1.86	1.98	1.91	2.03
Y 147.0	1.98	2.18	1.89	2.12	1.87	1.99	1.90	2.03
Y 148.0	1.98	2.17	1.88	2.11	1.88	1.99	1.91	2.02
Y 149.0	2.00	2.18	1.90	2.11	1.88	2.00	1.92	2.05
Y 150.0	2.01	2.17	1.92	2.10	1.88	2.01	1.93	2.04
Y 151.0	2.02	2.17	1.92	2.10	1.90	2.02	1.93	2.06
Y 152.0	2.04	2.18	1.93	2.10	1.90	2.01	1.95	2.05
Y 153.0	2.06	2.17	1.95	2.09	1.92	2.02	1.97	2.06
Y 154.0	2.04	2.16	1.97	2.11	1.94	2.03	1.98	2.07
Y 155.0	2.05	2.15	1.96	2.10	1.95	2.03	1.97	2.08
Y 156.0	2.07	2.15	1.99	2.10	1.95	2.03	1.99	2.09
Y 157.0	2.08	2.14	1.99	2.09	1.97	2.06	1.99	2.10
Y 158.0	2.10	2.13	2.00	2.08	1.97	2.05	2.00	2.09
Y 159.0	2.10	2.13	2.00	2.11	1.99	2.04	2.02	2.10
Y 160.0	2.10	2.11	2.03	2.10	1.99	2.07	2.02	2.12
Y 161.0	2.11	2.13	2.03	2.11	2.03	2.06	2.04	2.10
Y 162.0	2.11	2.12	2.03	2.11	2.03	2.07	2.04	2.07
Y 163.0	2.12	2.13	2.04	2.11	2.04	2.07	2.07	2.06
Y 164.0	2.10	2.13	2.03	2.10	2.05	2.07	2.06	2.06
Y 165.0	2.13	2.13	2.05	2.09	2.05	2.06	2.07	2.06
Y 166.0	2.13	2.14	2.05	2.09	2.06	2.06	2.08	2.08
Y 167.0	2.14	2.12	2.06	2.09	2.08	2.09	2.09	2.08
Y 168.0	2.14	2.12	2.07	2.11	2.09	2.10	2.09	2.12
Y 169.0	2.14	2.12	2.07	2.13	2.09	2.12	2.11	2.12
Y 170.0	2.14	2.12	2.08	2.12	2.10	2.10	2.11	2.13
Y 171.0	2.13	2.12	2.08	2.12	2.10	2.10	2.11	2.15
Y 172.0	2.14	2.12	2.09	2.12	2.12	2.10	2.12	2.15
Y 173.0	2.15	2.13	2.08	2.12	2.11	2.10	2.13	2.16
Y 174.0	2.14	2.12	2.10	2.13	2.13	2.11	2.11	2.14
Y 175.0	2.15	2.12	2.11	2.14	2.14	2.11	2.11	2.14

IES Indoor Report

Photometric Filename:F08-24V-120-3000K.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
Y 176.0	2.13	2.13	2.10	2.14	2.13	2.12	2.13	2.14
Y 177.0	2.14	2.12	2.10	2.13	2.13	2.12	2.12	2.12
Y 178.0	2.13	2.14	2.10	2.13	2.13	2.12	2.12	2.13
Y 179.0	2.14	2.12	2.10	2.11	2.14	2.11	2.13	2.12
Y 180.0	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13