IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

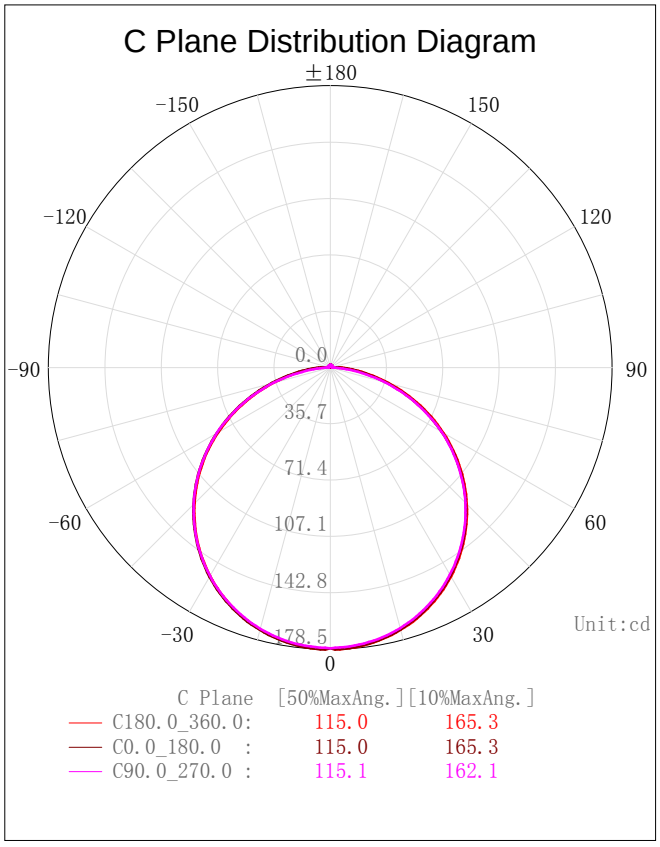
Indoor Luminaire Photometric Data

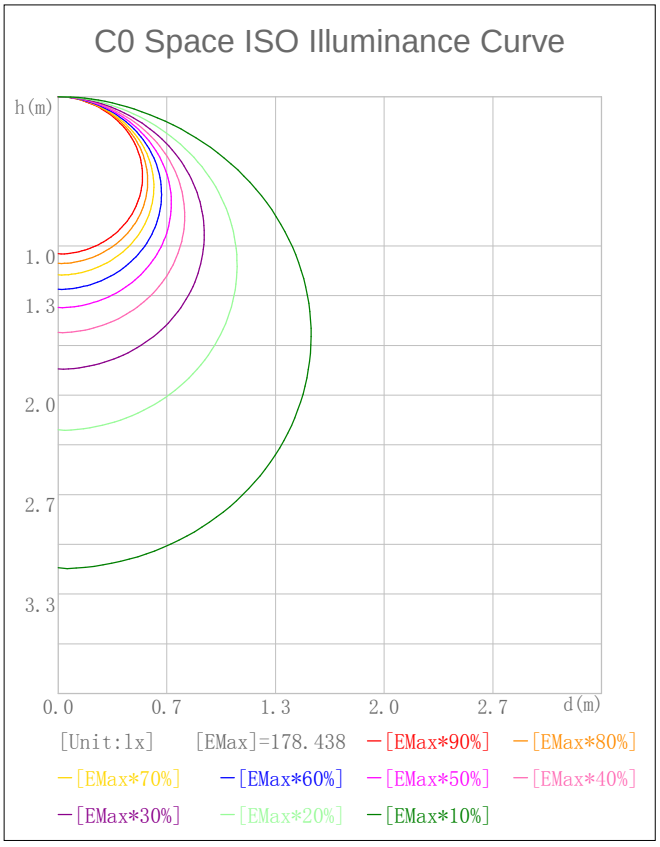
Description Information

Luminary Name: F16-24V-2835-120-3000K		Lum. Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K		Lamp Catelog: LED	Test Date: 2020/10/17
Manufacture:		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.025m*1.000m*0.015m		Lum.Area(m2):0.040	Lum.W(kg): 0.500
Test System: C, γ	Test Step: C=45.0 γ=1.0	Temp.(℃): 25	Humidity(%):

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 534.520	Luminary Flux(lm): 534.516	Field Angle(10%Imax): 165.3(°)
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 526.723lm 98.54%
Rated Voltage(V):	Luminary EER(lm/W): 47.302	Up Lumens&Percent: 7.793lm 1.46%
Tested Power(W): 11.300	Max.Candela(cd): 178.538	S/MH: C0_a180=1.273 C90_270=1.269
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):24.0,0.470,1.000	Beam Angle(50%Imax): 115.0(°)	ErP Φuse(120°): 408.152lm
Lamp Size(W*L*H):0.025m*1.000m*0.015m	Left=-57.3° ,Right=57.7°	IRF(%): 107.006



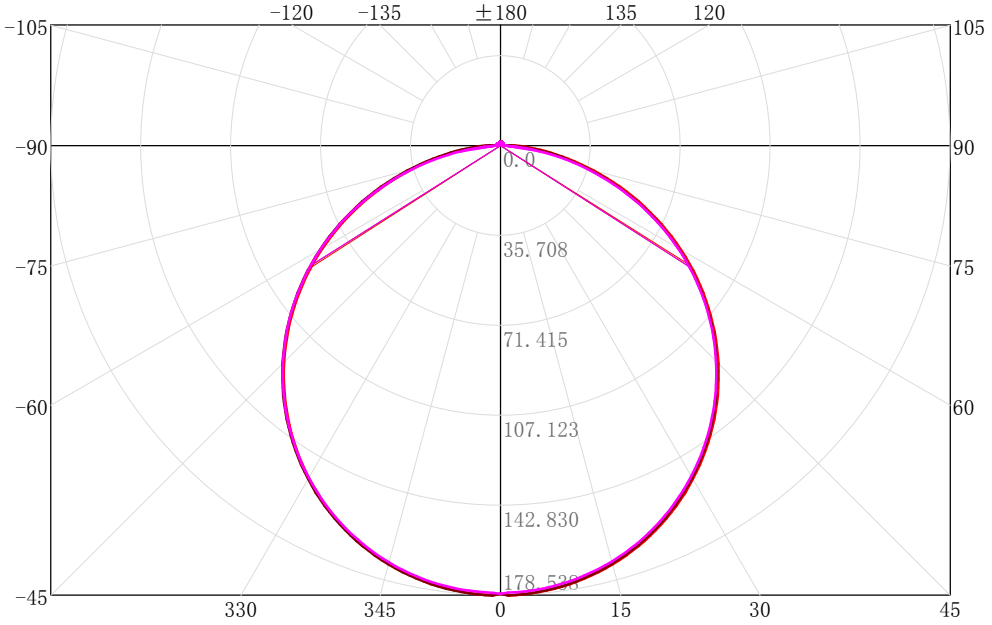


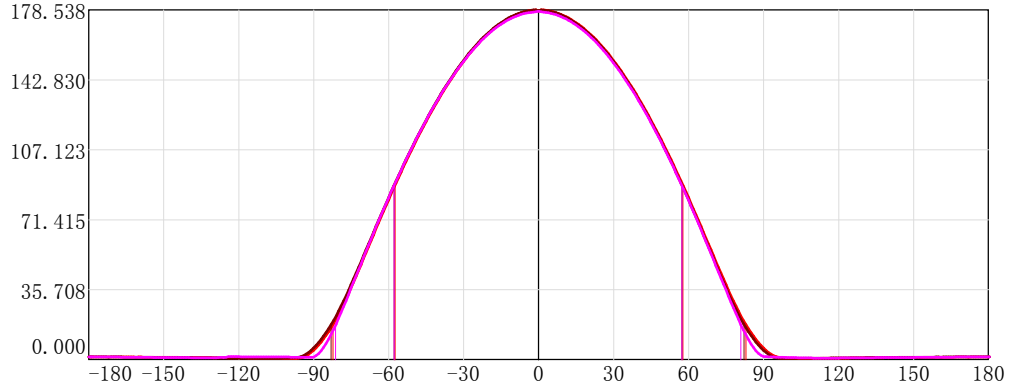
IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

C Plane Distribution Diagram





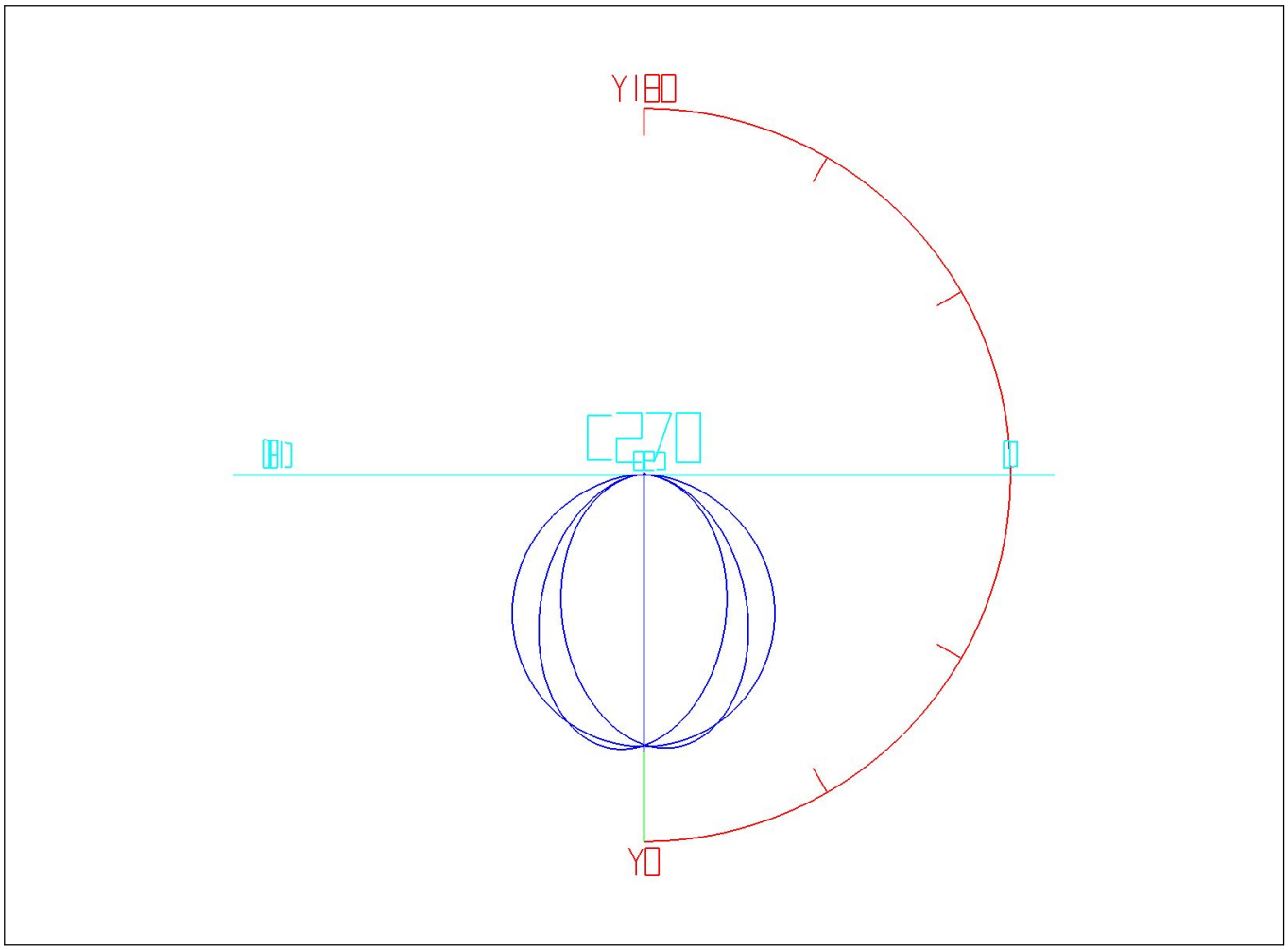
C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C180.0_360.0:	115.0	165.3	
C0.0_180.0 :	115.0	165.3	
C90.0_270.0 :	115.1	162.1	

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

3D Light Intensity Distribution Modal

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

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:F16-24V-2835-120-3000K.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	0.17	0.17	0.03	0.03	44.0-45.0	9.44	275.42	1.77	51.53
1.0-2.0	0.51	0.68	0.10	0.13	45.0-46.0	9.43	284.85	1.76	53.29
2.0-3.0	0.85	1.53	0.16	0.29	46.0-47.0	9.40	294.24	1.76	55.05
3.0-4.0	1.19	2.72	0.22	0.51	47.0-48.0	9.35	303.60	1.75	56.80
4.0-5.0	1.52	4.24	0.29	0.79	48.0-49.0	9.30	312.90	1.74	58.54
5.0-6.0	1.86	6.10	0.35	1.14	49.0-50.0	9.23	322.13	1.73	60.26
6.0-7.0	2.19	8.29	0.41	1.55	50.0-51.0	9.15	331.28	1.71	61.98
7.0-8.0	2.52	10.81	0.47	2.02	51.0-52.0	9.06	340.34	1.70	63.67
8.0-9.0	2.85	13.66	0.53	2.56	52.0-53.0	8.96	349.30	1.68	65.35
9.0-10.0	3.17	16.83	0.59	3.15	53.0-54.0	8.84	358.14	1.65	67.00
10.0-11.0	3.49	20.32	0.65	3.80	54.0-55.0	8.71	366.85	1.63	68.63
11.0-12.0	3.80	24.12	0.71	4.51	55.0-56.0	8.57	375.43	1.60	70.24
12.0-13.0	4.11	28.23	0.77	5.28	56.0-57.0	8.42	383.85	1.58	71.81
13.0-14.0	4.41	32.64	0.83	6.11	57.0-58.0	8.26	392.11	1.55	73.36
14.0-15.0	4.71	37.35	0.88	6.99	58.0-59.0	8.09	400.20	1.51	74.87
15.0-16.0	5.00	42.36	0.94	7.92	59.0-60.0	7.90	408.10	1.48	76.35
16.0-17.0	5.29	47.65	0.99	8.91	60.0-61.0	7.71	415.81	1.44	77.79
17.0-18.0	5.57	53.21	1.04	9.96	61.0-62.0	7.50	423.31	1.40	79.20
18.0-19.0	5.84	59.05	1.09	11.05	62.0-63.0	7.29	430.60	1.36	80.56
19.0-20.0	6.10	65.15	1.14	12.19	63.0-64.0	7.06	437.66	1.32	81.88
20.0-21.0	6.36	71.51	1.19	13.38	64.0-65.0	6.82	444.48	1.28	83.16
21.0-22.0	6.61	78.12	1.24	14.61	65.0-66.0	6.58	451.06	1.23	84.39
22.0-23.0	6.84	84.96	1.28	15.90	66.0-67.0	6.32	457.38	1.18	85.57
23.0-24.0	7.07	92.04	1.32	17.22	67.0-68.0	6.06	463.45	1.13	86.70
24.0-25.0	7.30	99.33	1.36	18.58	68.0-69.0	5.79	469.24	1.08	87.79
25.0-26.0	7.51	106.84	1.40	19.99	69.0-70.0	5.52	474.76	1.03	88.82
26.0-27.0	7.71	114.55	1.44	21.43	70.0-71.0	5.23	480.00	0.98	89.80
27.0-28.0	7.90	122.45	1.48	22.91	71.0-72.0	4.95	484.94	0.93	90.72
28.0-29.0	8.08	130.53	1.51	24.42	72.0-73.0	4.66	489.60	0.87	91.60
29.0-30.0	8.25	138.79	1.54	25.96	73.0-74.0	4.36	493.96	0.82	92.41
30.0-31.0	8.41	147.20	1.57	27.54	74.0-75.0	4.07	498.03	0.76	93.17
31.0-32.0	8.56	155.76	1.60	29.14	75.0-76.0	3.77	501.79	0.70	93.88
32.0-33.0	8.70	164.46	1.63	30.77	76.0-77.0	3.47	505.26	0.65	94.53
33.0-34.0	8.83	173.29	1.65	32.42	77.0-78.0	3.17	508.43	0.59	95.12
34.0-35.0	8.94	182.24	1.67	34.09	78.0-79.0	2.88	511.31	0.54	95.66
35.0-36.0	9.05	191.28	1.69	35.79	79.0-80.0	2.59	513.89	0.48	96.14
36.0-37.0	9.14	200.42	1.71	37.50	80.0-81.0	2.31	516.20	0.43	96.57
37.0-38.0	9.22	209.65	1.73	39.22	81.0-82.0	2.04	518.24	0.38	96.96
38.0-39.0	9.29	218.94	1.74	40.96	82.0-83.0	1.78	520.03	0.33	97.29
39.0-40.0	9.35	228.28	1.75	42.71	83.0-84.0	1.54	521.57	0.29	97.58
40.0-41.0	9.39	237.67	1.76	44.46	84.0-85.0	1.31	522.88	0.25	97.82
41.0-42.0	9.42	247.09	1.76	46.23	85.0-86.0	1.11	523.99	0.21	98.03
42.0-43.0	9.44	256.53	1.77	47.99	86.0-87.0	0.92	524.91	0.17	98.20
43.0-44.0	9.45	265.98	1.77	49.76	87.0-88.0	0.75	525.66	0.14	98.34

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.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	0.60	526.25	0.11	98.45	132.0-133.0	0.09	532.02	0.02	99.53
89.0-90.0	0.47	526.72	0.09	98.54	133.0-134.0	0.09	532.11	0.02	99.55
90.0-91.0	0.37	527.09	0.07	98.61	134.0-135.0	0.09	532.20	0.02	99.57
91.0-92.0	0.29	527.38	0.05	98.66	135.0-136.0	0.09	532.29	0.02	99.58
92.0-93.0	0.23	527.61	0.04	98.71	136.0-137.0	0.09	532.37	0.02	99.60
93.0-94.0	0.19	527.80	0.03	98.74	137.0-138.0	0.09	532.46	0.02	99.61
94.0-95.0	0.16	527.96	0.03	98.77	138.0-139.0	0.08	532.54	0.02	99.63
95.0-96.0	0.14	528.10	0.03	98.80	139.0-140.0	0.08	532.63	0.02	99.65
96.0-97.0	0.13	528.23	0.02	98.82	140.0-141.0	0.08	532.71	0.02	99.66
97.0-98.0	0.13	528.36	0.02	98.85	141.0-142.0	0.08	532.79	0.02	99.68
98.0-99.0	0.12	528.48	0.02	98.87	142.0-143.0	0.08	532.87	0.01	99.69
99.0-100.0	0.12	528.60	0.02	98.89	143.0-144.0	0.08	532.95	0.01	99.71
100.0-101.0	0.12	528.72	0.02	98.91	144.0-145.0	0.08	533.02	0.01	99.72
101.0-102.0	0.12	528.83	0.02	98.94	145.0-146.0	0.08	533.10	0.01	99.73
102.0-103.0	0.11	528.95	0.02	98.96	146.0-147.0	0.07	533.17	0.01	99.75
103.0-104.0	0.11	529.06	0.02	98.98	147.0-148.0	0.07	533.25	0.01	99.76
104.0-105.0	0.11	529.17	0.02	99.00	148.0-149.0	0.07	533.32	0.01	99.77
105.0-106.0	0.10	529.27	0.02	99.02	149.0-150.0	0.07	533.39	0.01	99.79
106.0-107.0	0.10	529.37	0.02	99.04	150.0-151.0	0.07	533.45	0.01	99.80
107.0-108.0	0.10	529.47	0.02	99.06	151.0-152.0	0.07	533.52	0.01	99.81
108.0-109.0	0.10	529.57	0.02	99.07	152.0-153.0	0.06	533.59	0.01	99.83
109.0-110.0	0.10	529.68	0.02	99.09	153.0-154.0	0.06	533.65	0.01	99.84
110.0-111.0	0.11	529.79	0.02	99.11	154.0-155.0	0.06	533.71	0.01	99.85
111.0-112.0	0.11	529.89	0.02	99.13	155.0-156.0	0.06	533.77	0.01	99.86
112.0-113.0	0.11	530.00	0.02	99.15	156.0-157.0	0.06	533.83	0.01	99.87
113.0-114.0	0.11	530.11	0.02	99.17	157.0-158.0	0.06	533.88	0.01	99.88
114.0-115.0	0.11	530.22	0.02	99.19	158.0-159.0	0.05	533.94	0.01	99.89
115.0-116.0	0.11	530.32	0.02	99.21	159.0-160.0	0.05	533.99	0.01	99.90
116.0-117.0	0.11	530.43	0.02	99.23	160.0-161.0	0.05	534.04	0.01	99.91
117.0-118.0	0.11	530.53	0.02	99.25	161.0-162.0	0.05	534.08	0.01	99.92
118.0-119.0	0.11	530.64	0.02	99.27	162.0-163.0	0.05	534.13	0.01	99.93
119.0-120.0	0.11	530.75	0.02	99.29	163.0-164.0	0.04	534.17	0.01	99.93
120.0-121.0	0.11	530.85	0.02	99.31	164.0-165.0	0.04	534.21	0.01	99.94
121.0-122.0	0.11	530.96	0.02	99.33	165.0-166.0	0.04	534.25	0.01	99.95
122.0-123.0	0.10	531.06	0.02	99.35	166.0-167.0	0.04	534.29	0.01	99.96
123.0-124.0	0.10	531.17	0.02	99.37	167.0-168.0	0.03	534.32	0.01	99.96
124.0-125.0	0.10	531.27	0.02	99.39	168.0-169.0	0.03	534.35	0.01	99.97
125.0-126.0	0.10	531.37	0.02	99.41	169.0-170.0	0.03	534.38	0.01	99.97
126.0-127.0	0.10	531.46	0.02	99.43	170.0-171.0	0.03	534.41	0.00	99.98
127.0-128.0	0.10	531.56	0.02	99.45	171.0-172.0	0.02	534.43	0.00	99.98
128.0-129.0	0.09	531.66	0.02	99.46	172.0-173.0	0.02	534.45	0.00	99.99
129.0-130.0	0.09	531.75	0.02	99.48	173.0-174.0	0.02	534.47	0.00	99.99
130.0-131.0	0.09	531.84	0.02	99.50	174.0-175.0	0.02	534.48	0.00	99.99
131.0-132.0	0.09	531.93	0.02	99.52	175.0-176.0	0.01	534.49	0.00	100.00

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Zonal Flux Tabulation - (Cont.)

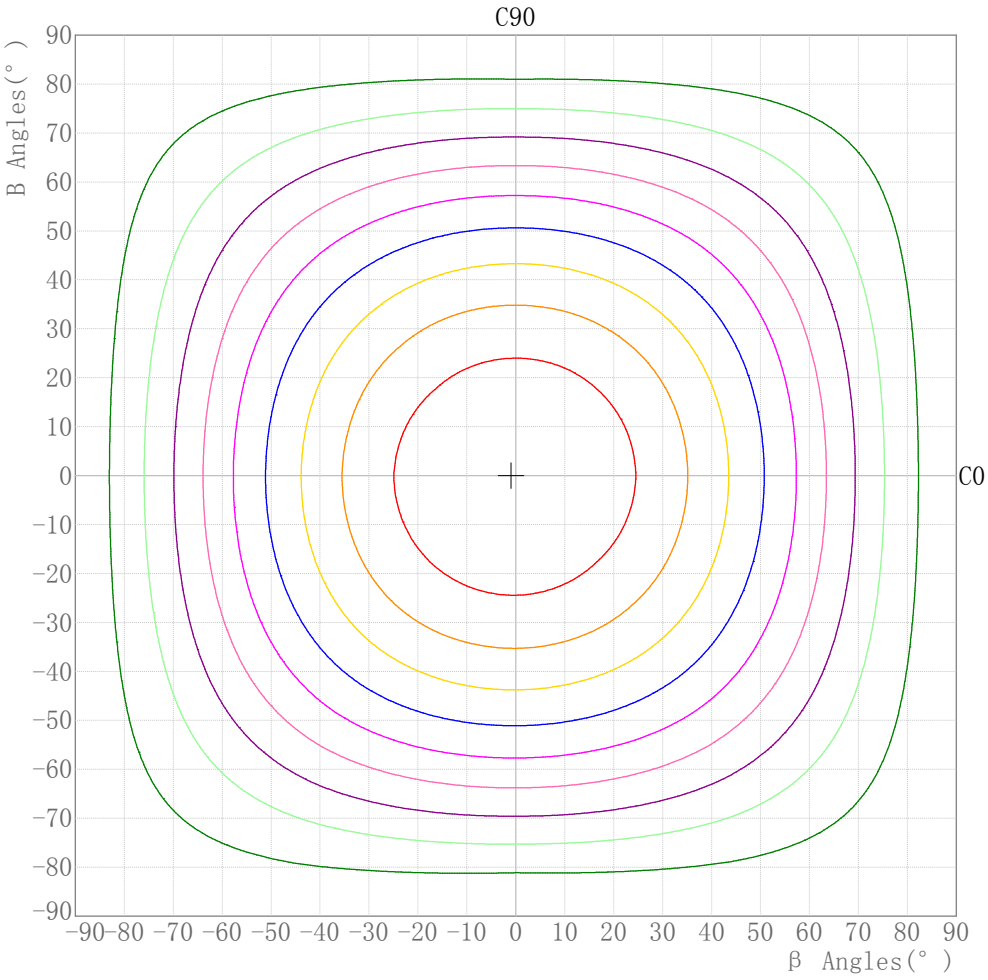
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
176.0-177.0	0.01	534.50	0.00	100.00
177.0-178.0	0.01	534.51	0.00	100.00
178.0-179.0	0.00	534.51	0.00	100.00
179.0-180.0	0.00	534.52	0.00	100.00

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =178.538
[IMax*90%]=160.684
[IMax*80%]=142.830
[IMax*70%]=124.977
[IMax*60%]=107.123
[IMax*50%]=89.269
[IMax*40%]=71.415
[IMax*30%]=53.561
[IMax*20%]=35.708
[IMax*10%]=17.854

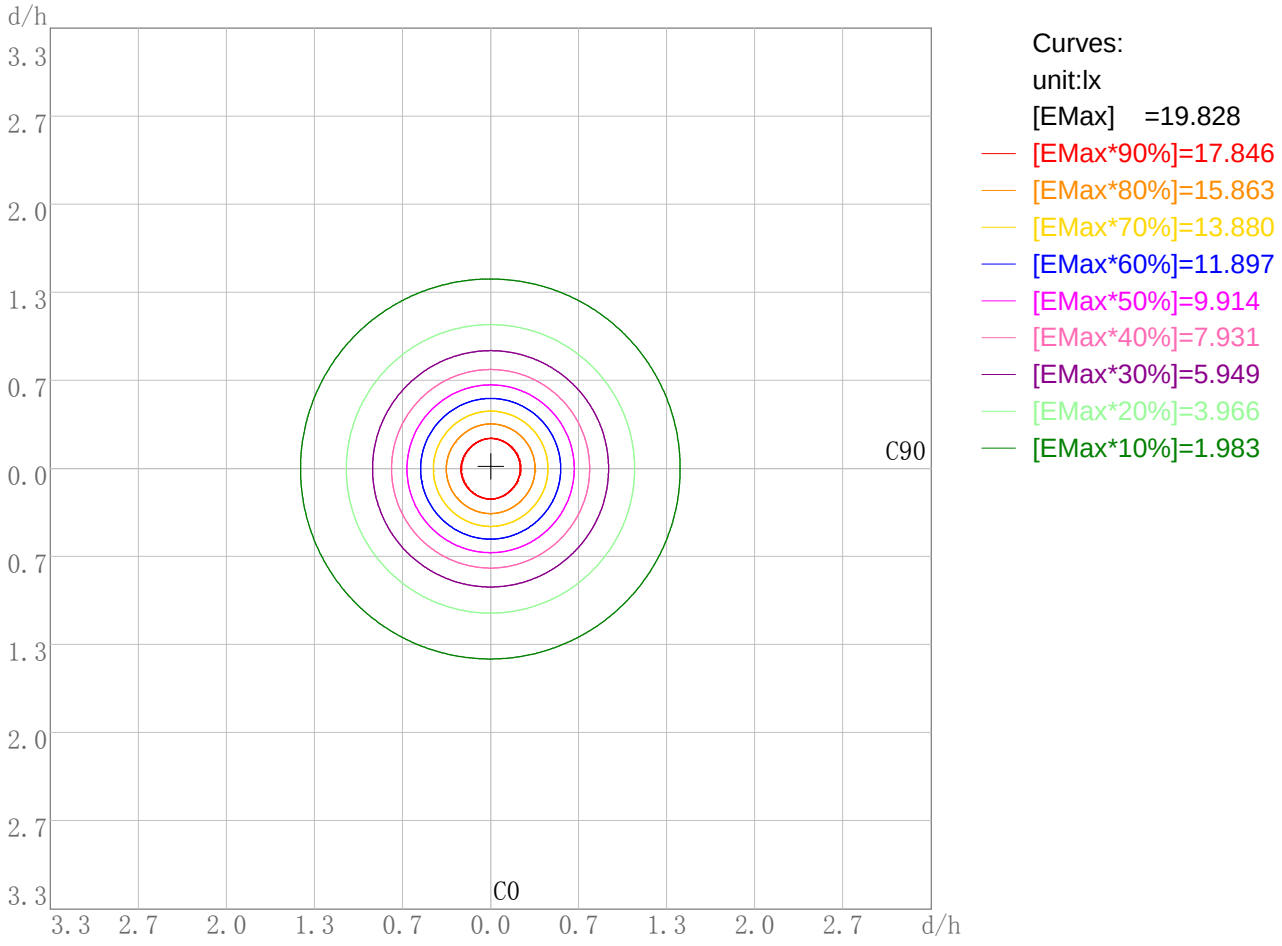
Maximum Light Intensity(cd): 178.54
Maximum Cand.@Angle: H=-1.0°,V=0.0°

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Plane ISO-Illuminance Diagram

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

Plane ISO-Illuminance Curve



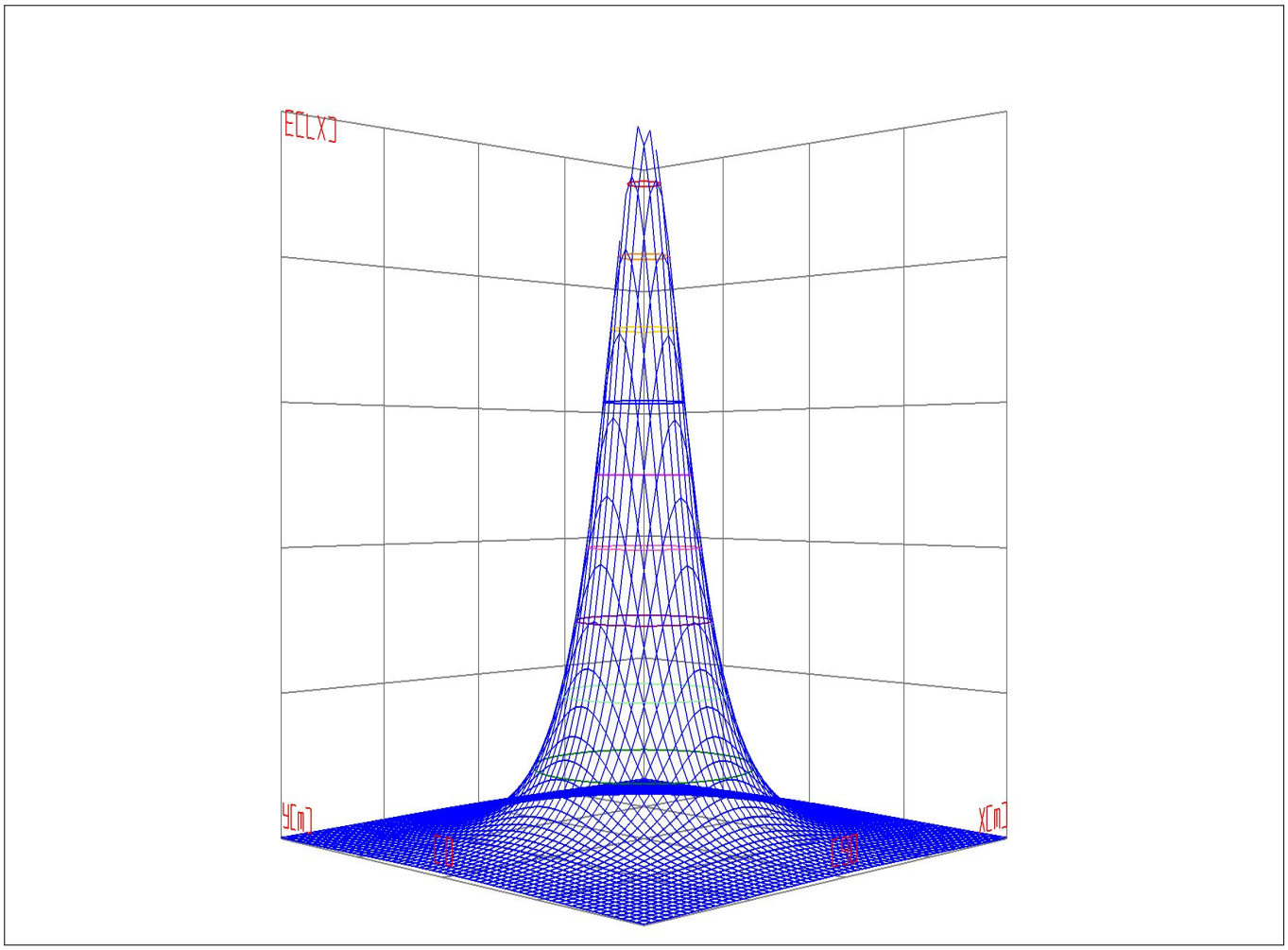
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 19.83
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

3D Plane ISO Illuminance Diagram

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

3D Plane Illuminance Modal



Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%

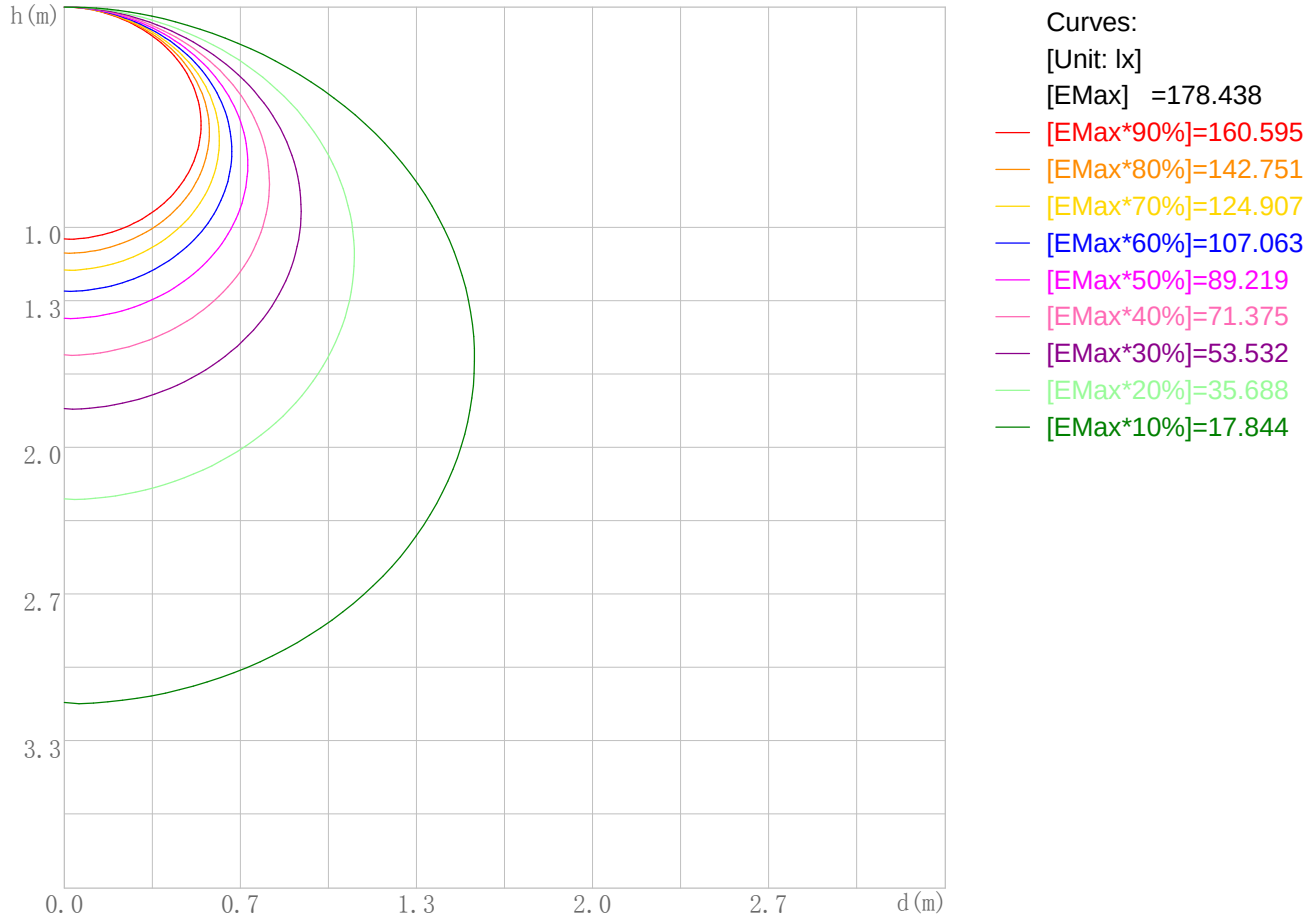
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Space ISO Illuminance Diagram

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

Space ISO Illuminance Curve



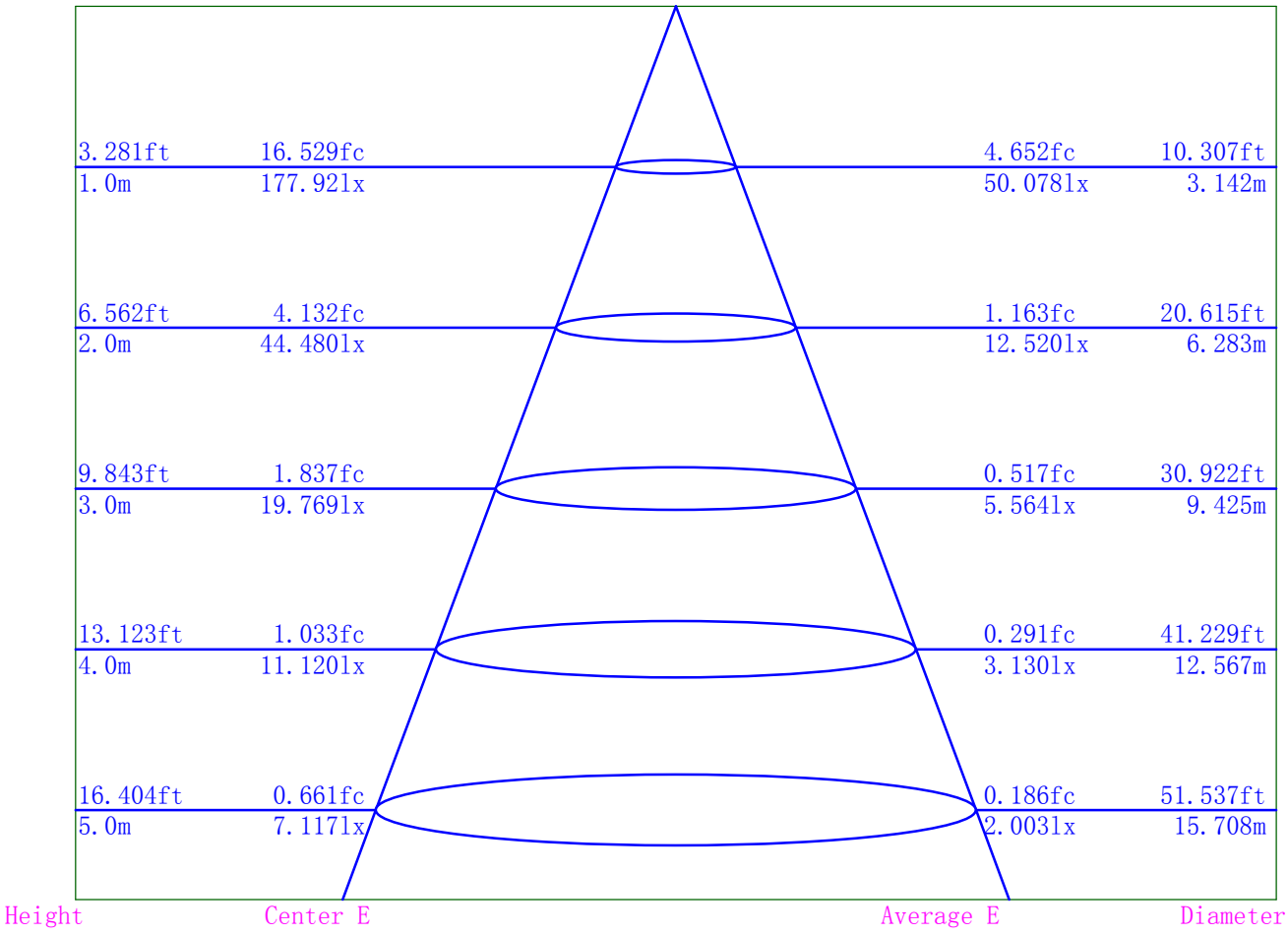
Space Plane Maximum Illuminance and @Angle:178.44lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:178.520cd,0eg

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Illuminance-Distance Diagram

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

Illuminance-Distance Curve



Beam Angle:115.0

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Indoor Luminance Limiting Curves

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

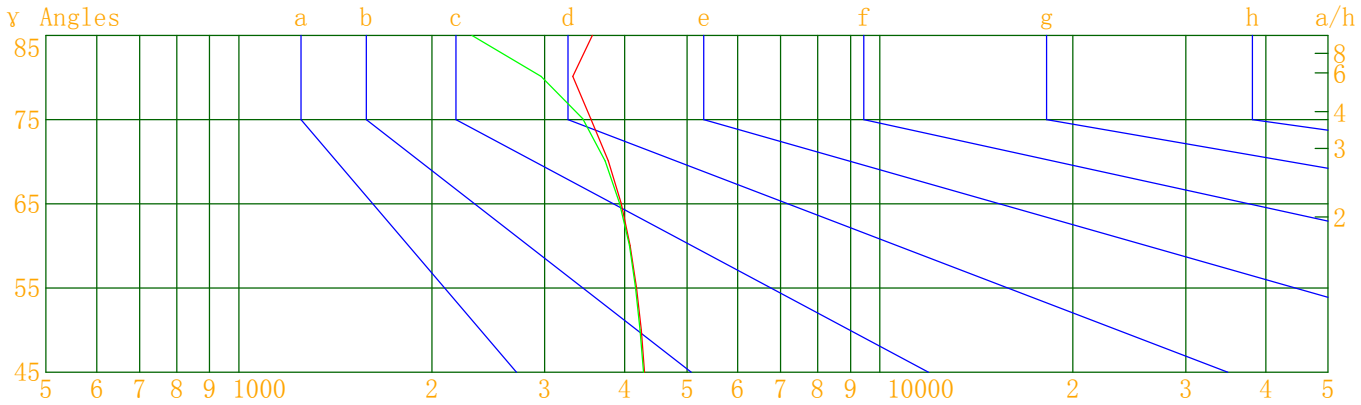
Glare Grade Table

GI	Quality	Using Illuminace							
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	4295	4242	4173	4079	3950	3771	3541	3318	3560
C90	4278	4227	4159	4065	3927	3726	3439	2962	2309

Luminance Limiting Curve



Luminous Size: Length(m)=1.000 Width(m)=0.025 Height(m)=0.015 Area(m^2)=0.040000

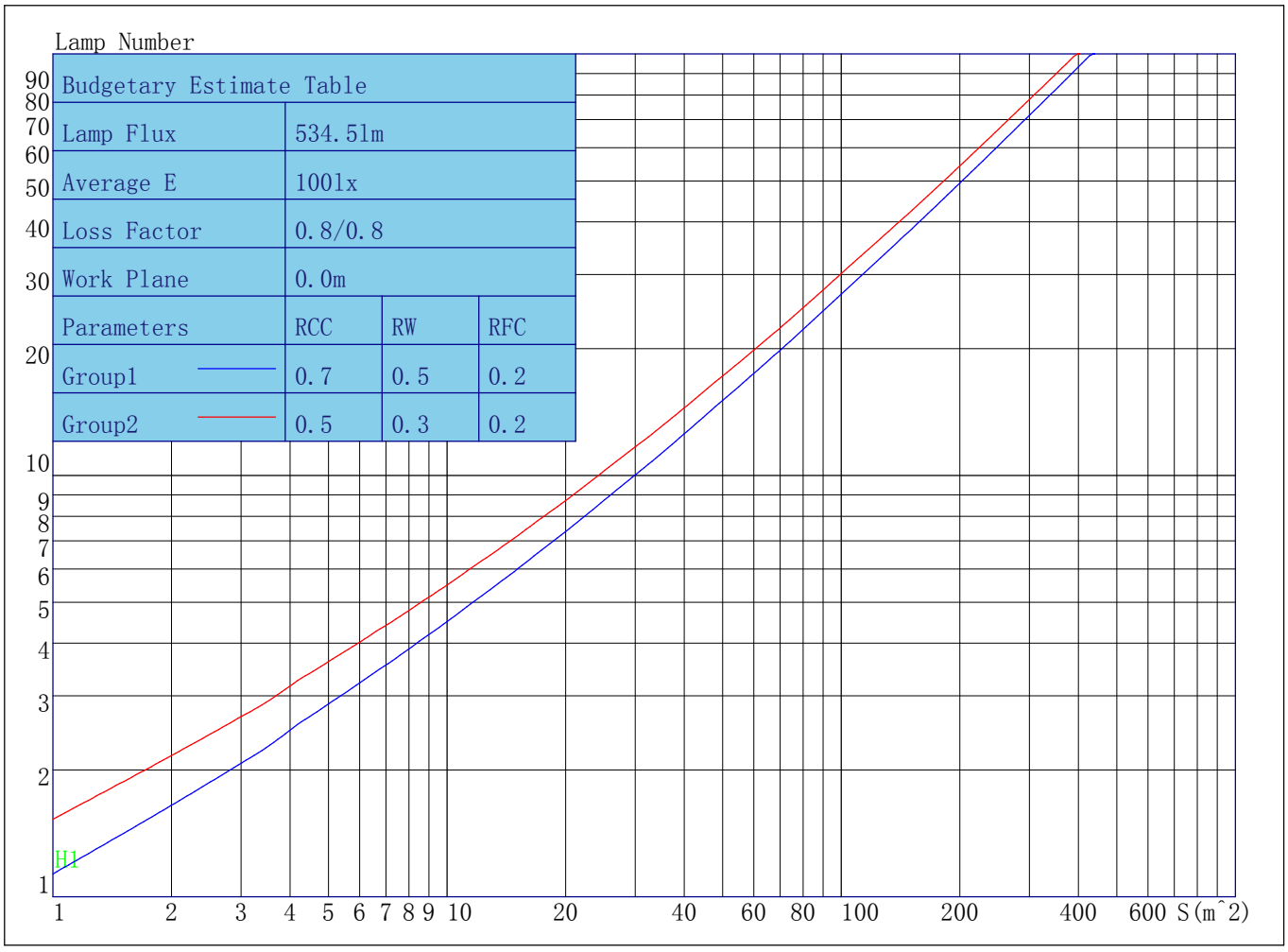
Luminous Type: Without Luminous Side

Luminous Curves: C0-C180 Color: C90-C270 Color:

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Indoor Budgetary Estimate Table

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17



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

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Indoor Coefficient of Utilization Table

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	83	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	46	58	51	45	56	50	44	54	48	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	35	29	25	23

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Unified Glare Rating Table

Lum.Name: F16-24V-2835-120-3000K	Lum.Catelog:	Test ID:
Lamp Name: F16-24V-2835-120-3000K	Lamp Catelog: LED	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/10/17

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	17.3	18.9	17.7	19.3	19.6	17.3	18.9	17.7	19.2	19.6
	Y=3H	19.0	20.4	19.4	20.8	21.2	18.9	20.4	19.3	20.7	21.1
	Y=4H	19.6	21.0	20.1	21.4	21.8	19.6	21.0	20.0	21.3	21.7
	Y=6H	20.2	21.4	20.6	21.8	22.3	20.0	21.3	20.5	21.7	22.1
	Y=8H	20.4	21.6	20.8	22.0	22.4	20.2	21.4	20.6	21.8	22.3
	Y=12H	20.5	21.7	21.0	22.1	22.6	20.3	21.4	20.7	21.9	22.3
X=4H	Y=2H	18.1	19.5	18.5	19.8	20.2	18.0	19.4	18.5	19.8	20.2
	Y=3H	19.9	21.1	20.4	21.5	22.0	19.9	21.0	20.3	21.5	21.9
	Y=4H	20.7	21.8	21.2	22.2	22.7	20.7	21.7	21.1	22.2	22.6
	Y=6H	21.4	22.3	21.8	22.8	23.2	21.2	22.2	21.7	22.6	23.1
	Y=8H	21.6	22.5	22.1	23.0	23.4	21.4	22.3	21.9	22.8	23.3
	Y=12H	21.8	22.6	22.3	23.1	23.6	21.6	22.3	22.1	22.8	23.3
X=8H	Y=4H	21.1	21.9	21.5	22.4	22.9	21.0	21.9	21.5	22.3	22.8
	Y=6H	21.8	22.6	22.4	23.1	23.7	21.7	22.4	22.2	22.9	23.6
	Y=8H	22.2	22.8	22.7	23.3	23.9	22.0	22.6	22.5	23.1	23.7
	Y=12H	22.5	23.1	23.0	23.6	24.2	22.2	22.7	22.7	23.3	23.8
X=12H	Y=4H	21.1	21.9	21.6	22.4	22.9	21.0	21.8	21.5	22.3	22.8
	Y=6H	21.9	22.6	22.5	23.0	23.6	21.8	22.4	22.3	22.9	23.5
	Y=8H	22.3	22.9	22.8	23.4	24.0	22.1	22.7	22.6	23.2	23.8
Variations with the objerver position at spacings											
S=1.0H		0.4/-0.4					0.5/-0.6				
S=1.5H		0.8/-0.8					0.9/-1.0				
S=2.0H		0.9/-1.1					1.0/-1.3				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		3.0					2.9				

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

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.IES

Candela Tabulation

V/H	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0
Y 0.0	177.92	177.92	177.92	177.92	177.92	177.92	177.92	177.92
Y 1.0	178.52	177.71	177.48	177.17	178.54	177.75	177.51	177.16
Y 2.0	178.42	177.61	177.38	177.08	178.47	177.68	177.44	177.07
Y 3.0	178.25	177.44	177.21	176.93	178.33	177.54	177.31	176.94
Y 4.0	178.03	177.23	177.01	176.73	178.11	177.35	177.12	176.72
Y 5.0	177.74	176.94	176.73	176.47	177.85	177.11	176.87	176.46
Y 6.0	177.41	176.61	176.41	176.15	177.53	176.81	176.58	176.14
Y 7.0	176.99	176.22	176.01	175.78	177.15	176.44	176.21	175.77
Y 8.0	176.54	175.77	175.58	175.34	176.72	176.02	175.79	175.33
Y 9.0	176.02	175.25	175.09	174.84	176.23	175.54	175.31	174.83
Y 10.0	175.44	174.67	174.53	174.29	175.67	175.00	174.79	174.27
Y 11.0	174.80	174.05	173.89	173.67	175.07	174.41	174.17	173.66
Y 12.0	174.12	173.38	173.23	173.01	174.40	173.76	173.54	172.99
Y 13.0	173.37	172.62	172.49	172.28	173.67	173.04	172.81	172.27
Y 14.0	172.55	171.82	171.68	171.49	172.87	172.28	172.05	171.49
Y 15.0	171.68	170.96	170.84	170.66	172.04	171.45	171.22	170.65
Y 16.0	170.76	170.03	169.92	169.75	171.15	170.57	170.34	169.74
Y 17.0	169.79	169.08	168.97	168.81	170.21	169.63	169.39	168.83
Y 18.0	168.76	168.05	167.94	167.80	169.20	168.65	168.41	167.81
Y 19.0	167.67	166.97	166.88	166.75	168.13	167.60	167.36	166.76
Y 20.0	166.54	165.84	165.75	165.63	167.01	166.50	166.26	165.64
Y 21.0	165.36	164.66	164.56	164.46	165.83	165.35	165.10	164.49
Y 22.0	164.11	163.41	163.30	163.23	164.60	164.14	163.89	163.26
Y 23.0	162.79	162.11	162.02	161.96	163.32	162.86	162.62	161.99
Y 24.0	161.43	160.76	160.67	160.64	161.98	161.56	161.29	160.67
Y 25.0	160.02	159.37	159.28	159.25	160.57	160.19	159.92	159.30
Y 26.0	158.57	157.91	157.82	157.80	159.13	158.77	158.51	157.87
Y 27.0	157.05	156.40	156.32	156.32	157.63	157.30	157.02	156.39
Y 28.0	155.47	154.85	154.76	154.78	156.09	155.77	155.49	154.86
Y 29.0	153.85	153.23	153.15	153.18	154.46	154.18	153.91	153.28
Y 30.0	152.19	151.59	151.49	151.54	152.81	152.55	152.27	151.65
Y 31.0	150.47	149.88	149.79	149.86	151.11	150.88	150.59	149.96
Y 32.0	148.70	148.14	148.04	148.12	149.35	149.17	148.87	148.25
Y 33.0	146.89	146.34	146.23	146.34	147.55	147.39	147.09	146.48
Y 34.0	145.02	144.49	144.38	144.50	145.69	145.54	145.25	144.65
Y 35.0	143.09	142.59	142.47	142.61	143.80	143.68	143.38	142.78
Y 36.0	141.14	140.65	140.54	140.68	141.86	141.77	141.46	140.88
Y 37.0	139.14	138.67	138.54	138.72	139.87	139.82	139.49	138.92
Y 38.0	137.08	136.63	136.49	136.69	137.81	137.82	137.47	136.91
Y 39.0	134.96	134.55	134.39	134.61	135.73	135.76	135.41	134.86
Y 40.0	132.83	132.42	132.27	132.49	133.60	133.63	133.31	132.76
Y 41.0	130.64	130.28	130.11	130.35	131.44	131.49	131.16	130.64
Y 42.0	128.41	128.06	127.90	128.15	129.21	129.31	128.97	128.46
Y 43.0	126.14	125.80	125.64	125.89	126.96	127.08	126.74	126.23

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.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	123.82	123.51	123.34	123.60	124.66	124.81	124.46	123.98
Y 45.0	121.47	121.18	121.00	121.30	122.31	122.51	122.13	121.66
Y 46.0	119.06	118.80	118.61	118.91	119.93	120.14	119.77	119.33
Y 47.0	116.61	116.37	116.19	116.50	117.51	117.73	117.36	116.94
Y 48.0	114.14	113.91	113.72	114.06	115.07	115.32	114.91	114.52
Y 49.0	111.63	111.43	111.22	111.59	112.57	112.85	112.42	112.04
Y 50.0	109.07	108.91	108.69	109.07	110.03	110.32	109.90	109.54
Y 51.0	106.49	106.34	106.11	106.51	107.46	107.79	107.36	107.00
Y 52.0	103.85	103.74	103.48	103.93	104.86	105.21	104.75	104.45
Y 53.0	101.17	101.09	100.83	101.29	102.20	102.57	102.11	101.82
Y 54.0	98.48	98.41	98.15	98.61	99.53	99.92	99.43	99.16
Y 55.0	95.75	95.71	95.42	95.92	96.82	97.22	96.72	96.48
Y 56.0	92.97	92.95	92.67	93.16	94.07	94.49	93.98	93.75
Y 57.0	90.17	90.19	89.87	90.42	91.30	91.73	91.18	90.98
Y 58.0	87.35	87.38	87.05	87.62	88.47	88.93	88.38	88.22
Y 59.0	84.47	84.52	84.18	84.77	85.65	86.10	85.53	85.39
Y 60.0	81.57	81.65	81.31	81.91	82.79	83.24	82.64	82.55
Y 61.0	78.66	78.74	78.38	79.01	79.92	80.35	79.74	79.65
Y 62.0	75.74	75.80	75.43	76.10	76.99	77.44	76.76	76.74
Y 63.0	72.78	72.85	72.45	73.15	74.06	74.48	73.79	73.81
Y 64.0	69.79	69.88	69.43	70.18	71.12	71.53	70.78	70.84
Y 65.0	66.77	66.86	66.39	67.18	68.14	68.53	67.75	67.85
Y 66.0	63.76	63.84	63.35	64.17	65.15	65.52	64.68	64.82
Y 67.0	60.72	60.81	60.28	61.15	62.14	62.48	61.60	61.81
Y 68.0	57.67	57.74	57.19	58.10	59.15	59.44	58.52	58.74
Y 69.0	54.63	54.68	54.09	55.06	56.14	56.38	55.40	55.69
Y 70.0	51.59	51.59	50.98	52.00	53.13	53.32	52.24	52.62
Y 71.0	48.54	48.52	47.84	48.93	50.12	50.26	49.07	49.53
Y 72.0	45.53	45.44	44.73	45.88	47.15	47.21	45.91	46.47
Y 73.0	42.54	42.38	41.66	42.85	44.20	44.15	42.76	43.40
Y 74.0	39.58	39.32	38.62	39.83	41.27	41.11	39.70	40.38
Y 75.0	36.66	36.32	35.60	36.84	38.36	38.10	36.61	37.35
Y 76.0	33.79	33.34	32.55	33.88	35.53	35.14	33.27	34.37
Y 77.0	30.97	30.43	29.48	31.00	32.74	32.20	30.12	31.41
Y 78.0	28.24	27.57	26.44	28.16	30.01	29.33	27.04	28.55
Y 79.0	25.59	24.79	23.46	25.41	27.38	26.56	24.02	25.75
Y 80.0	23.05	22.11	20.57	22.73	24.82	23.85	21.06	23.03
Y 81.0	20.67	19.53	17.77	20.17	22.39	21.24	18.21	20.41
Y 82.0	18.42	17.07	15.18	17.72	20.10	18.75	15.45	17.90
Y 83.0	16.29	14.77	12.68	15.43	17.94	16.40	12.85	15.51
Y 84.0	14.28	12.68	10.26	13.31	15.88	14.25	10.42	13.32
Y 85.0	12.41	10.76	8.05	11.38	13.95	12.28	8.19	11.28
Y 86.0	10.65	9.02	6.15	9.62	12.14	10.47	6.22	9.40
Y 87.0	9.01	7.42	4.54	8.01	10.45	8.84	4.52	7.69

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.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	7.48	5.98	3.23	6.55	8.86	7.38	3.15	6.15
Y 89.0	6.08	4.69	2.24	5.19	7.34	6.03	2.11	4.83
Y 90.0	4.81	3.60	1.66	4.01	5.98	4.84	1.33	3.74
Y 91.0	3.72	2.70	1.58	3.04	4.79	3.83	1.25	2.89
Y 92.0	2.76	1.97	1.53	2.25	3.76	3.04	1.26	2.24
Y 93.0	1.97	1.44	1.48	1.65	2.87	2.40	1.28	1.77
Y 94.0	1.35	1.17	1.44	1.33	2.14	2.00	1.29	1.51
Y 95.0	0.96	1.07	1.38	1.15	1.63	1.79	1.31	1.48
Y 96.0	0.79	1.01	1.34	1.05	1.34	1.68	1.32	1.48
Y 97.0	0.72	0.95	1.29	0.95	1.15	1.61	1.34	1.50
Y 98.0	0.70	0.92	1.26	0.89	1.00	1.58	1.35	1.51
Y 99.0	0.69	0.89	1.21	0.84	0.90	1.53	1.39	1.51
Y 100.0	0.70	0.86	1.17	0.80	0.83	1.50	1.40	1.53
Y 101.0	0.71	0.82	1.14	0.77	0.78	1.48	1.41	1.52
Y 102.0	0.72	0.80	1.10	0.76	0.75	1.47	1.43	1.52
Y 103.0	0.72	0.77	1.07	0.73	0.72	1.46	1.44	1.51
Y 104.0	0.75	0.73	1.03	0.71	0.69	1.43	1.45	1.42
Y 105.0	0.75	0.72	1.01	0.70	0.69	1.43	1.46	1.25
Y 106.0	0.75	0.70	0.98	0.68	0.68	1.42	1.48	1.06
Y 107.0	0.77	0.69	0.95	0.68	0.69	1.42	1.48	0.96
Y 108.0	0.78	0.71	0.93	0.69	0.70	1.42	1.48	1.01
Y 109.0	0.78	0.72	0.92	0.72	0.71	1.42	1.49	1.22
Y 110.0	0.80	0.74	0.89	0.74	0.71	1.43	1.50	1.45
Y 111.0	0.81	0.76	0.87	0.75	0.73	1.42	1.50	1.57
Y 112.0	0.82	0.77	0.86	0.76	0.73	1.42	1.49	1.58
Y 113.0	0.83	0.79	0.85	0.78	0.74	1.42	1.50	1.60
Y 114.0	0.84	0.80	0.84	0.80	0.76	1.41	1.52	1.58
Y 115.0	0.88	0.81	0.85	0.80	0.78	1.39	1.51	1.59
Y 116.0	0.88	0.83	0.85	0.81	0.79	1.39	1.52	1.60
Y 117.0	0.90	0.83	0.87	0.83	0.78	1.38	1.53	1.59
Y 118.0	0.91	0.85	0.87	0.85	0.80	1.38	1.54	1.59
Y 119.0	0.93	0.86	0.88	0.86	0.79	1.38	1.55	1.59
Y 120.0	0.95	0.87	0.89	0.86	0.81	1.36	1.56	1.58
Y 121.0	0.96	0.89	0.92	0.88	0.83	1.36	1.57	1.58
Y 122.0	0.97	0.89	0.92	0.89	0.85	1.35	1.58	1.58
Y 123.0	0.98	0.89	0.94	0.91	0.86	1.35	1.58	1.58
Y 124.0	0.98	0.91	0.95	0.91	0.88	1.36	1.56	1.57
Y 125.0	0.98	0.93	0.95	0.92	0.90	1.35	1.31	1.57
Y 126.0	1.01	0.94	0.96	0.93	0.91	1.34	1.15	1.57
Y 127.0	1.02	0.95	0.99	0.94	0.93	1.34	1.27	1.56
Y 128.0	1.04	0.97	0.99	0.96	0.94	1.35	1.14	1.53
Y 129.0	1.04	0.95	1.01	0.97	0.95	1.35	0.98	1.54
Y 130.0	1.05	0.95	1.01	0.97	0.95	1.34	0.96	1.51
Y 131.0	1.08	0.98	1.04	0.99	0.98	1.34	0.97	1.49

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.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	1.08	0.98	1.03	0.99	0.98	1.33	0.99	1.48
Y 133.0	1.09	1.01	1.04	1.02	0.98	1.34	1.00	1.48
Y 134.0	1.11	1.00	1.05	1.03	1.01	1.33	1.00	1.47
Y 135.0	1.10	1.02	1.07	1.05	1.02	1.35	1.02	1.45
Y 136.0	1.12	1.03	1.08	1.06	1.02	1.34	1.03	1.43
Y 137.0	1.14	1.04	1.09	1.06	1.03	1.34	1.04	1.43
Y 138.0	1.15	1.04	1.11	1.08	1.05	1.35	1.05	1.41
Y 139.0	1.16	1.06	1.11	1.09	1.06	1.34	1.06	1.40
Y 140.0	1.18	1.06	1.11	1.10	1.06	1.35	1.06	1.40
Y 141.0	1.19	1.08	1.12	1.10	1.08	1.35	1.09	1.39
Y 142.0	1.19	1.08	1.13	1.12	1.09	1.34	1.10	1.38
Y 143.0	1.22	1.10	1.16	1.13	1.11	1.34	1.11	1.38
Y 144.0	1.23	1.12	1.17	1.14	1.11	1.36	1.13	1.37
Y 145.0	1.23	1.14	1.17	1.14	1.13	1.37	1.14	1.38
Y 146.0	1.24	1.15	1.17	1.17	1.14	1.35	1.15	1.40
Y 147.0	1.26	1.15	1.18	1.17	1.16	1.37	1.14	1.40
Y 148.0	1.27	1.17	1.20	1.19	1.17	1.38	1.16	1.38
Y 149.0	1.27	1.18	1.20	1.21	1.17	1.38	1.16	1.39
Y 150.0	1.28	1.18	1.22	1.22	1.19	1.39	1.19	1.39
Y 151.0	1.29	1.20	1.24	1.22	1.20	1.39	1.20	1.38
Y 152.0	1.32	1.20	1.25	1.23	1.21	1.40	1.21	1.38
Y 153.0	1.32	1.22	1.25	1.24	1.23	1.40	1.22	1.38
Y 154.0	1.33	1.21	1.26	1.26	1.24	1.41	1.22	1.39
Y 155.0	1.35	1.23	1.28	1.27	1.25	1.41	1.24	1.39
Y 156.0	1.34	1.24	1.28	1.28	1.27	1.41	1.25	1.39
Y 157.0	1.36	1.25	1.28	1.29	1.29	1.42	1.27	1.38
Y 158.0	1.36	1.25	1.31	1.30	1.30	1.42	1.29	1.39
Y 159.0	1.39	1.27	1.30	1.31	1.30	1.43	1.29	1.38
Y 160.0	1.39	1.28	1.32	1.32	1.32	1.43	1.30	1.40
Y 161.0	1.38	1.29	1.33	1.34	1.32	1.45	1.32	1.39
Y 162.0	1.40	1.30	1.34	1.34	1.34	1.45	1.33	1.40
Y 163.0	1.43	1.33	1.35	1.34	1.35	1.45	1.34	1.41
Y 164.0	1.43	1.33	1.35	1.36	1.37	1.46	1.35	1.41
Y 165.0	1.45	1.34	1.36	1.38	1.38	1.45	1.36	1.41
Y 166.0	1.45	1.36	1.37	1.38	1.38	1.46	1.36	1.41
Y 167.0	1.45	1.36	1.39	1.39	1.41	1.47	1.37	1.42
Y 168.0	1.46	1.38	1.40	1.40	1.41	1.48	1.39	1.43
Y 169.0	1.46	1.39	1.40	1.41	1.43	1.46	1.40	1.43
Y 170.0	1.47	1.39	1.40	1.41	1.40	1.44	1.42	1.43
Y 171.0	1.47	1.40	1.41	1.42	1.39	1.46	1.41	1.44
Y 172.0	1.48	1.41	1.40	1.44	1.39	1.46	1.43	1.44
Y 173.0	1.49	1.41	1.42	1.44	1.39	1.47	1.43	1.43
Y 174.0	1.48	1.40	1.42	1.42	1.40	1.48	1.44	1.42
Y 175.0	1.45	1.41	1.43	1.43	1.40	1.49	1.44	1.40

IES Indoor Report
Photometric Filename:F16-24V-2835-120-3000K.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	1.42	1.39	1.43	1.43	1.41	1.49	1.44	1.38
Y 177.0	1.43	1.40	1.43	1.43	1.42	1.47	1.45	1.39
Y 178.0	1.43	1.41	1.43	1.43	1.41	1.45	1.44	1.38
Y 179.0	1.43	1.41	1.44	1.43	1.42	1.45	1.43	1.38
Y 180.0	1.43	1.43	1.43	1.43	1.43	1.43	1.43	1.43