

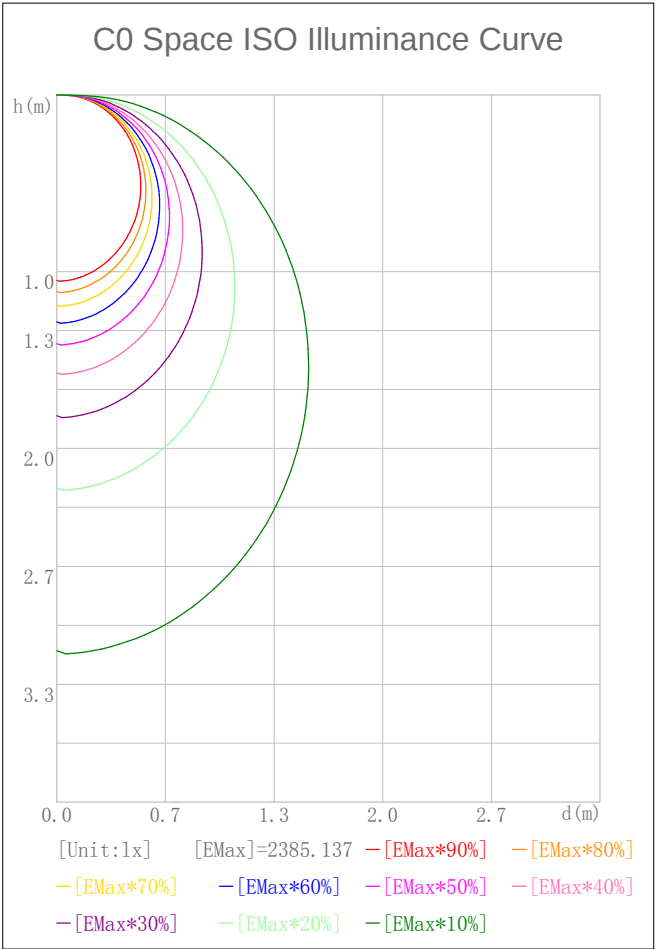
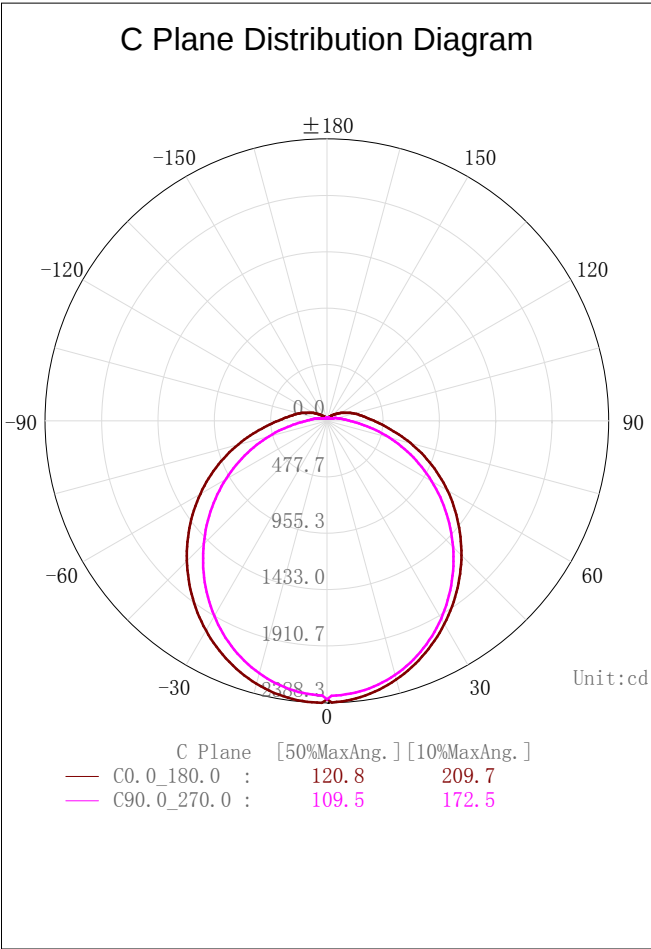
Indoor Luminaire Photometric Data

Description Information

Luminary Name: Tri-proof Light		Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan		Lamp Catalog: SMD2835	Test Date: 2017/07/22
Manufacture:		Shld.Ang(°):	Test Machine:GON-2000
Test Lab: Unicornlite		Frequency (Hz):50	Lamp CCT (K): 5000 Ra: 80
Lum. Size (W*L*H):1.431m*0.070m*0.060m		Lum. Area (m2):0.104	Lum. W (kg): 1.580
Test System: C, γ	Test Step: C=60.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

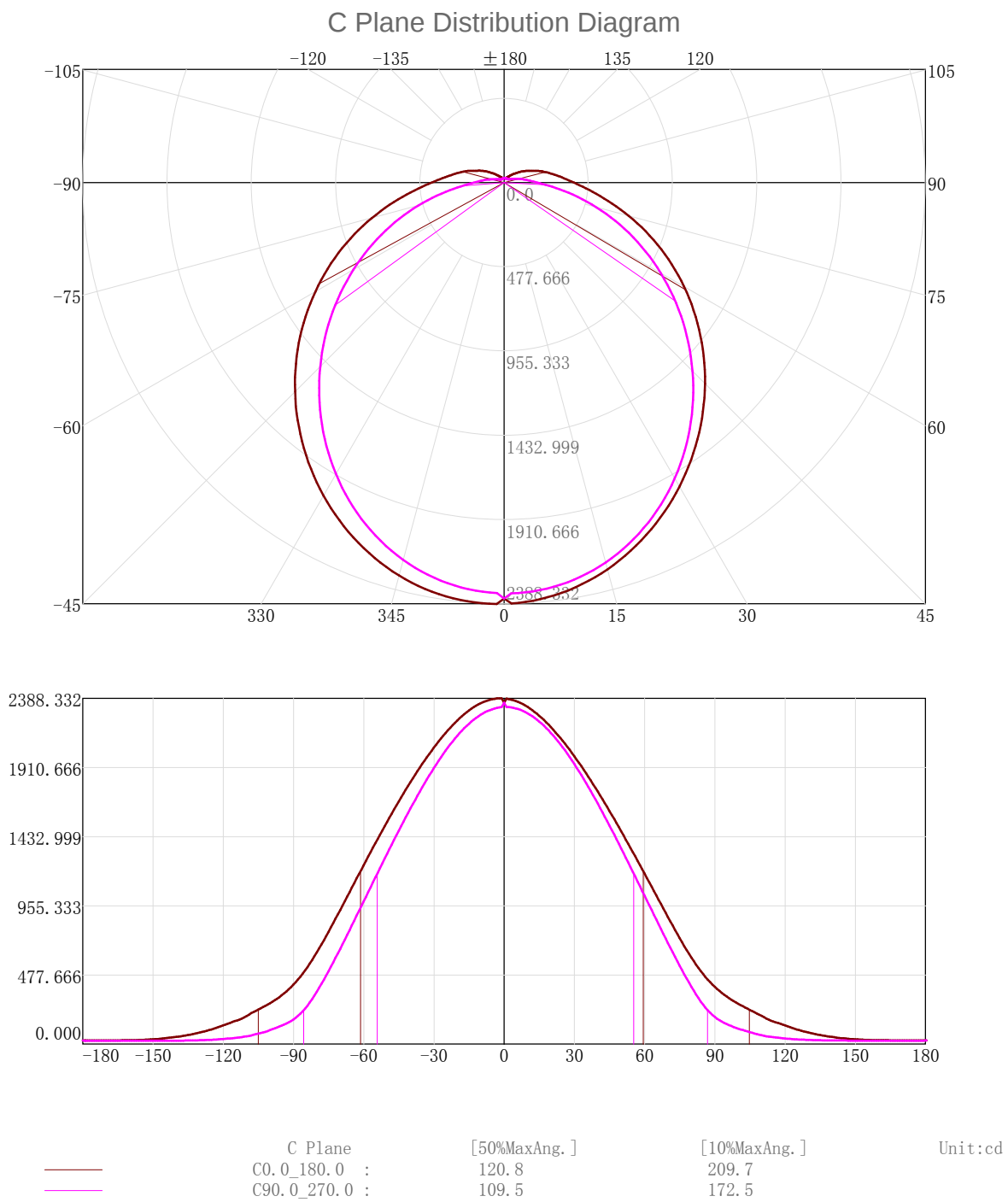
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	7800.000	Luminary Flux(lm):	7726.150
Rated Power(W):	60	Luminary Efficiency:	99.05%
Rated Voltage(V):	220	Luminary EER(lm/W):	134.555
Tested Power(W):	57.420	Max. Candela(cd):	2388.332
Lamps' Inside:	1	Max Cand@Ang. (°):	C=180.0 γ=1.0
Tested Electrics(V, A, pf):	231.9, 0.257, 0.961	Beam Angle(50%Imax):	120.8(°)
Lamp Size (W*L*H):1.431m*0.070m*0.060m		Left=-59.4°, Right=61.4°	IRF (%): 113.564



2D Plane Light Intensity Distribution Curve

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22



IES Indoor Report

Photometric Filename:TP-150-60W-P.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	2.25	2.25	0.03	0.03	47.0-48.0	118.57	3904.70	1.52	50.06
1.0-2.0	6.74	8.99	0.09	0.12	48.0-49.0	117.94	4022.63	1.51	51.57
2.0-3.0	11.22	20.20	0.14	0.26	49.0-50.0	117.17	4139.80	1.50	53.07
3.0-4.0	15.68	35.88	0.20	0.46	50.0-51.0	116.26	4256.07	1.49	54.56
4.0-5.0	20.12	56.00	0.26	0.72	51.0-52.0	115.23	4371.30	1.48	56.04
5.0-6.0	24.53	80.53	0.31	1.03	52.0-53.0	114.08	4485.38	1.46	57.50
6.0-7.0	28.90	109.42	0.37	1.40	53.0-54.0	112.81	4598.19	1.45	58.95
7.0-8.0	33.22	142.64	0.43	1.83	54.0-55.0	111.43	4709.62	1.43	60.38
8.0-9.0	37.50	180.15	0.48	2.31	55.0-56.0	109.94	4819.56	1.41	61.79
9.0-10.0	41.72	221.87	0.53	2.84	56.0-57.0	108.32	4927.88	1.39	63.18
10.0-11.0	45.88	267.74	0.59	3.43	57.0-58.0	106.60	5034.48	1.37	64.54
11.0-12.0	49.96	317.71	0.64	4.07	58.0-59.0	104.77	5139.24	1.34	65.89
12.0-13.0	53.98	371.68	0.69	4.77	59.0-60.0	102.84	5242.08	1.32	67.21
13.0-14.0	57.91	429.59	0.74	5.51	60.0-61.0	100.83	5342.91	1.29	68.50
14.0-15.0	61.75	491.35	0.79	6.30	61.0-62.0	98.72	5441.64	1.27	69.76
15.0-16.0	65.51	556.85	0.84	7.14	62.0-63.0	96.52	5538.16	1.24	71.00
16.0-17.0	69.17	626.02	0.89	8.03	63.0-64.0	94.23	5632.39	1.21	72.21
17.0-18.0	72.72	698.75	0.93	8.96	64.0-65.0	91.86	5724.26	1.18	73.39
18.0-19.0	76.18	774.92	0.98	9.93	65.0-66.0	89.42	5813.68	1.15	74.53
19.0-20.0	79.52	854.44	1.02	10.95	66.0-67.0	86.92	5900.60	1.11	75.65
20.0-21.0	82.75	937.19	1.06	12.02	67.0-68.0	84.35	5984.94	1.08	76.73
21.0-22.0	85.85	1023.05	1.10	13.12	68.0-69.0	81.71	6066.66	1.05	77.78
22.0-23.0	88.85	1111.89	1.14	14.26	69.0-70.0	79.02	6145.68	1.01	78.79
23.0-24.0	91.71	1203.60	1.18	15.43	70.0-71.0	76.28	6221.95	0.98	79.77
24.0-25.0	94.45	1298.05	1.21	16.64	71.0-72.0	73.51	6295.46	0.94	80.71
25.0-26.0	97.06	1395.11	1.24	17.89	72.0-73.0	70.71	6366.18	0.91	81.62
26.0-27.0	99.53	1494.64	1.28	19.16	73.0-74.0	67.88	6434.06	0.87	82.49
27.0-28.0	101.86	1596.50	1.31	20.47	74.0-75.0	65.03	6499.08	0.83	83.32
28.0-29.0	104.06	1700.56	1.33	21.80	75.0-76.0	62.16	6561.24	0.80	84.12
29.0-30.0	106.12	1806.68	1.36	23.16	76.0-77.0	59.30	6620.54	0.76	84.88
30.0-31.0	108.03	1914.71	1.39	24.55	77.0-78.0	56.46	6677.00	0.72	85.60
31.0-32.0	109.82	2024.53	1.41	25.96	78.0-79.0	53.65	6730.64	0.69	86.29
32.0-33.0	111.45	2135.97	1.43	27.38	79.0-80.0	50.88	6781.52	0.65	86.94
33.0-34.0	112.92	2248.90	1.45	28.83	80.0-81.0	48.15	6829.67	0.62	87.56
34.0-35.0	114.26	2363.16	1.46	30.30	81.0-82.0	45.49	6875.17	0.58	88.14
35.0-36.0	115.46	2478.62	1.48	31.78	82.0-83.0	42.93	6918.10	0.55	88.69
36.0-37.0	116.51	2595.14	1.49	33.27	83.0-84.0	40.48	6958.58	0.52	89.21
37.0-38.0	117.42	2712.55	1.51	34.78	84.0-85.0	38.16	6996.74	0.49	89.70
38.0-39.0	118.17	2830.72	1.52	36.29	85.0-86.0	35.96	7032.70	0.46	90.16
39.0-40.0	118.78	2949.50	1.52	37.81	86.0-87.0	33.90	7066.61	0.43	90.60
40.0-41.0	119.25	3068.75	1.53	39.34	87.0-88.0	32.00	7098.60	0.41	91.01
41.0-42.0	119.58	3188.32	1.53	40.88	88.0-89.0	30.24	7128.84	0.39	91.40
42.0-43.0	119.76	3308.09	1.54	42.41	89.0-90.0	28.64	7157.49	0.37	91.76
43.0-44.0	119.81	3427.90	1.54	43.95	90.0-91.0	27.18	7184.67	0.35	92.11
44.0-45.0	119.70	3547.59	1.53	45.48	91.0-92.0	25.84	7210.51	0.33	92.44
45.0-46.0	119.45	3667.05	1.53	47.01	92.0-93.0	24.61	7235.12	0.32	92.76
46.0-47.0	119.08	3786.12	1.53	48.54	93.0-94.0	23.48	7258.60	0.30	93.06

IES Indoor Report

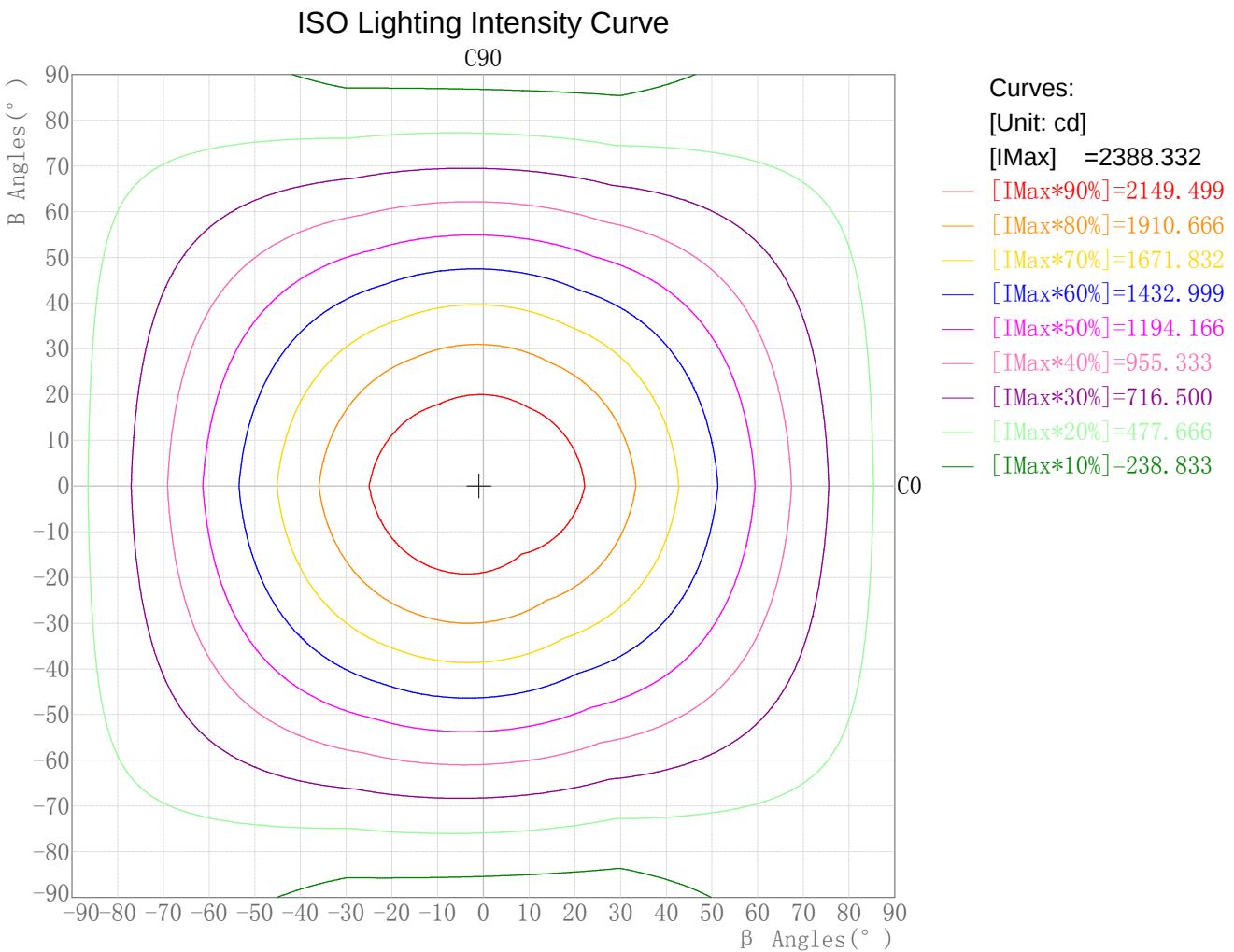
Photometric Filename:TP-150-60W-P.IES

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	22.43	7281.02	0.29	93.35	141.0-142.0	2.23	7689.41	0.03	98.58
95.0-96.0	21.45	7302.47	0.27	93.62	142.0-143.0	2.13	7691.54	0.03	98.61
96.0-97.0	20.52	7322.99	0.26	93.88	143.0-144.0	2.04	7693.58	0.03	98.64
97.0-98.0	19.64	7342.63	0.25	94.14	144.0-145.0	1.95	7695.53	0.02	98.66
98.0-99.0	18.80	7361.44	0.24	94.38	145.0-146.0	1.87	7697.40	0.02	98.68
99.0-100.0	17.99	7379.42	0.23	94.61	146.0-147.0	1.78	7699.18	0.02	98.71
100.0-101.0	17.14	7396.56	0.22	94.83	147.0-148.0	1.71	7700.89	0.02	98.73
101.0-102.0	16.30	7412.87	0.21	95.04	148.0-149.0	1.64	7702.53	0.02	98.75
102.0-103.0	15.60	7428.47	0.20	95.24	149.0-150.0	1.57	7704.09	0.02	98.77
103.0-104.0	14.96	7443.43	0.19	95.43	150.0-151.0	1.50	7705.59	0.02	98.79
104.0-105.0	14.30	7457.72	0.18	95.61	151.0-152.0	1.44	7707.03	0.02	98.81
105.0-106.0	13.63	7471.35	0.17	95.79	152.0-153.0	1.37	7708.40	0.02	98.83
106.0-107.0	12.96	7484.31	0.17	95.95	153.0-154.0	1.31	7709.72	0.02	98.84
107.0-108.0	12.31	7496.62	0.16	96.11	154.0-155.0	1.26	7710.97	0.02	98.86
108.0-109.0	11.66	7508.28	0.15	96.26	155.0-156.0	1.20	7712.17	0.02	98.87
109.0-110.0	11.02	7519.30	0.14	96.40	156.0-157.0	1.15	7713.32	0.01	98.89
110.0-111.0	10.41	7529.71	0.13	96.53	157.0-158.0	1.10	7714.42	0.01	98.90
111.0-112.0	9.86	7539.57	0.13	96.66	158.0-159.0	1.04	7715.46	0.01	98.92
112.0-113.0	9.36	7548.93	0.12	96.78	159.0-160.0	0.99	7716.45	0.01	98.93
113.0-114.0	8.91	7557.83	0.11	96.90	160.0-161.0	0.95	7717.40	0.01	98.94
114.0-115.0	8.50	7566.33	0.11	97.00	161.0-162.0	0.90	7718.30	0.01	98.95
115.0-116.0	8.12	7574.45	0.10	97.11	162.0-163.0	0.85	7719.15	0.01	98.96
116.0-117.0	7.75	7582.20	0.10	97.21	163.0-164.0	0.80	7719.94	0.01	98.97
117.0-118.0	7.39	7589.59	0.09	97.30	164.0-165.0	0.75	7720.70	0.01	98.98
118.0-119.0	7.04	7596.63	0.09	97.39	165.0-166.0	0.70	7721.40	0.01	98.99
119.0-120.0	6.69	7603.32	0.09	97.48	166.0-167.0	0.65	7722.05	0.01	99.00
120.0-121.0	6.37	7609.69	0.08	97.56	167.0-168.0	0.61	7722.66	0.01	99.01
121.0-122.0	6.05	7615.74	0.08	97.64	168.0-169.0	0.56	7723.22	0.01	99.02
122.0-123.0	5.74	7621.48	0.07	97.71	169.0-170.0	0.51	7723.72	0.01	99.02
123.0-124.0	5.44	7626.92	0.07	97.78	170.0-171.0	0.46	7724.19	0.01	99.03
124.0-125.0	5.15	7632.08	0.07	97.85	171.0-172.0	0.41	7724.60	0.01	99.03
125.0-126.0	4.89	7636.96	0.06	97.91	172.0-173.0	0.36	7724.96	0.00	99.04
126.0-127.0	4.64	7641.60	0.06	97.97	173.0-174.0	0.32	7725.28	0.00	99.04
127.0-128.0	4.40	7646.00	0.06	98.03	174.0-175.0	0.27	7725.54	0.00	99.05
128.0-129.0	4.18	7650.19	0.05	98.08	175.0-176.0	0.22	7725.76	0.00	99.05
129.0-130.0	3.98	7654.17	0.05	98.13	176.0-177.0	0.17	7725.93	0.00	99.05
130.0-131.0	3.78	7657.95	0.05	98.18	177.0-178.0	0.12	7726.05	0.00	99.05
131.0-132.0	3.60	7661.55	0.05	98.23	178.0-179.0	0.07	7726.13	0.00	99.05
132.0-133.0	3.43	7664.98	0.04	98.27	179.0-180.0	0.02	7726.15	0.00	99.05
133.0-134.0	3.26	7668.25	0.04	98.31					
134.0-135.0	3.11	7671.36	0.04	98.35					
135.0-136.0	2.96	7674.32	0.04	98.39					
136.0-137.0	2.82	7677.14	0.04	98.42					
137.0-138.0	2.69	7679.83	0.03	98.46					
138.0-139.0	2.57	7682.39	0.03	98.49					
139.0-140.0	2.45	7684.84	0.03	98.52					
140.0-141.0	2.34	7687.18	0.03	98.55					

Rectangle ISO Lighting Intensity Diagram

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22



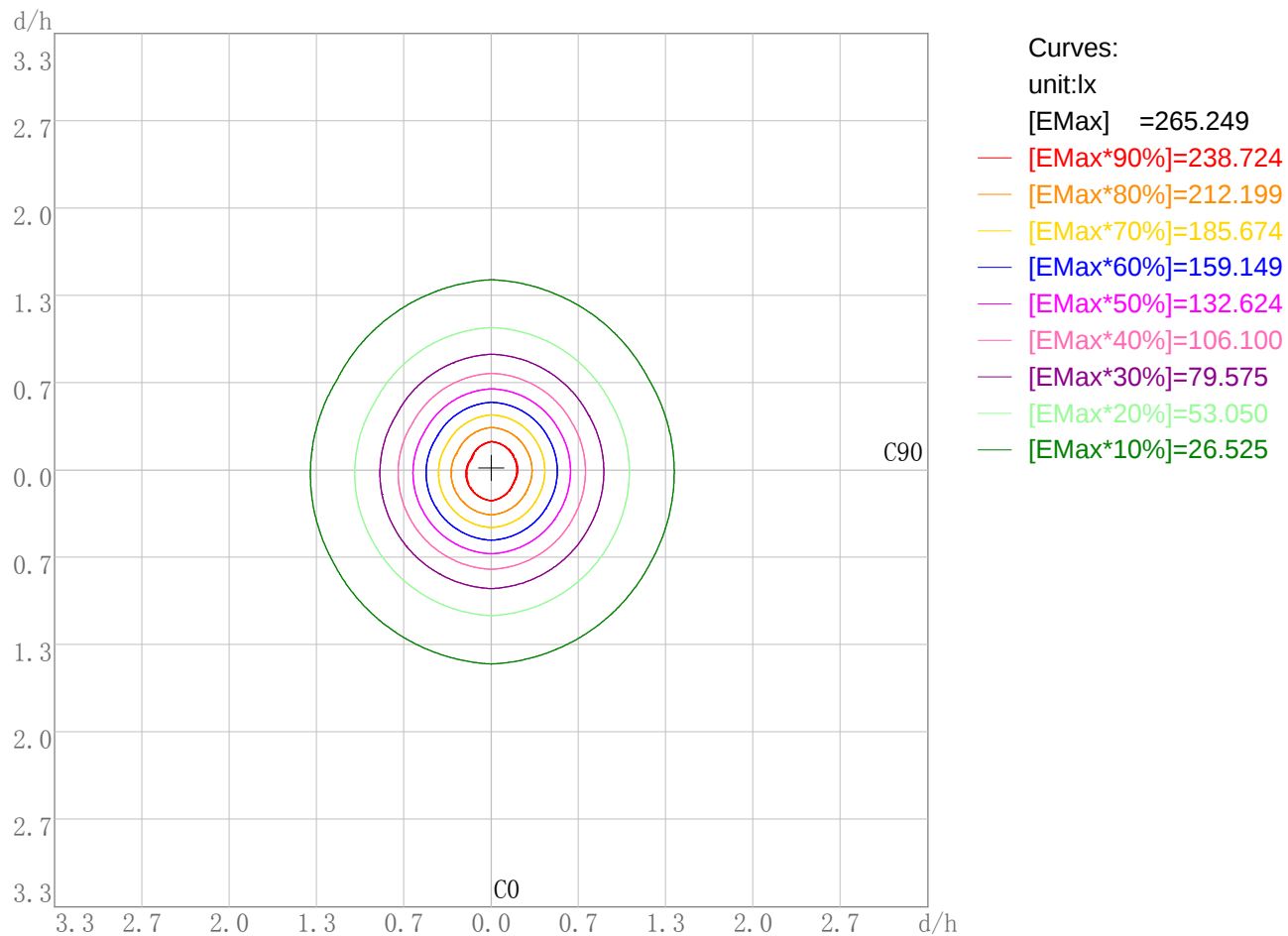
Maximum Light Intensity(cd): 2388.33

Maximum Cand.@Angle: H=-1.0°;V=0.0°

Plane ISO-Illuminance Diagram

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22

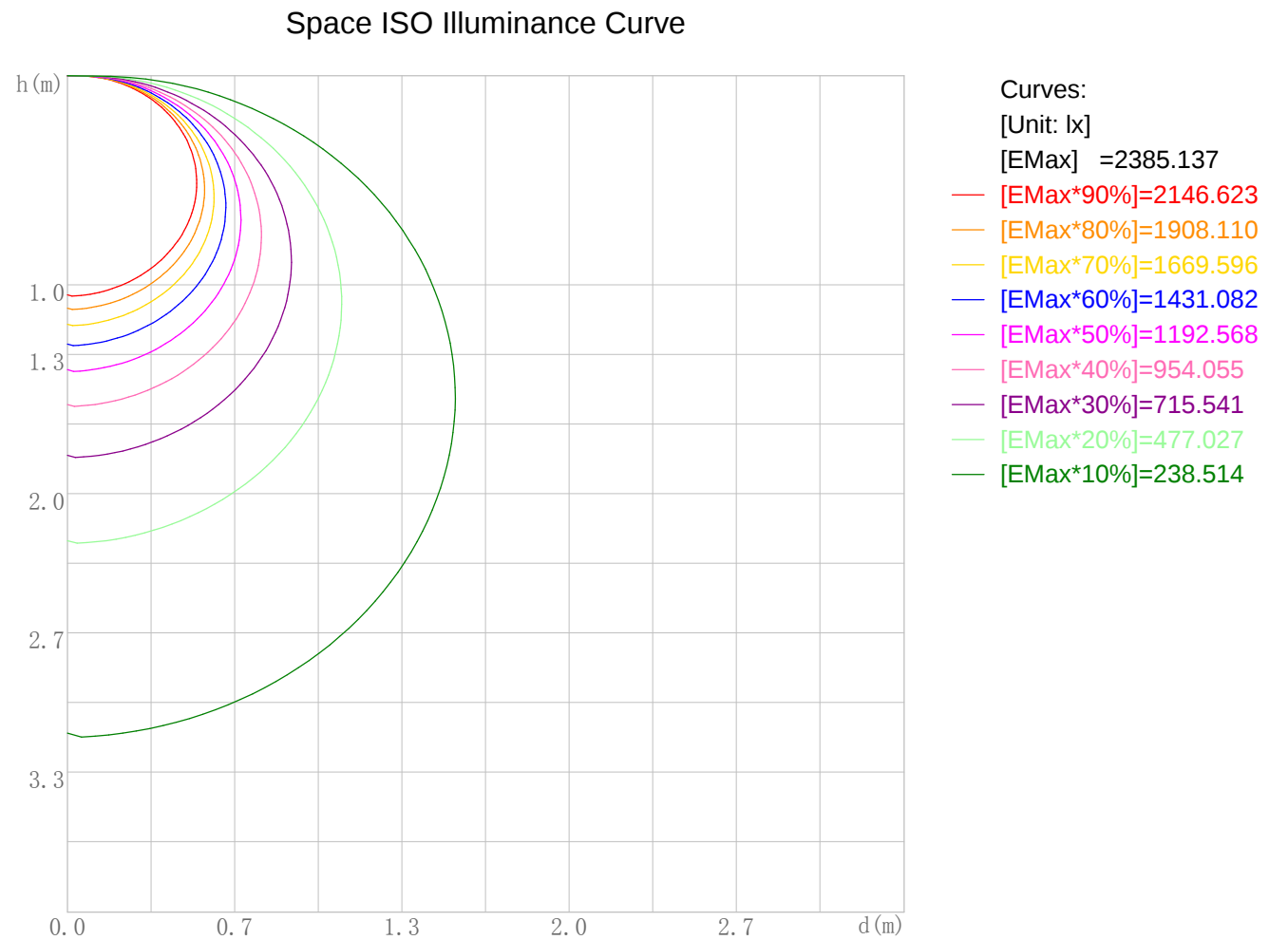
Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 265.25
Working Plane Maximum Illuminance Position(d/h):H0.0 V-0.0

Space ISO Illuminance Diagram

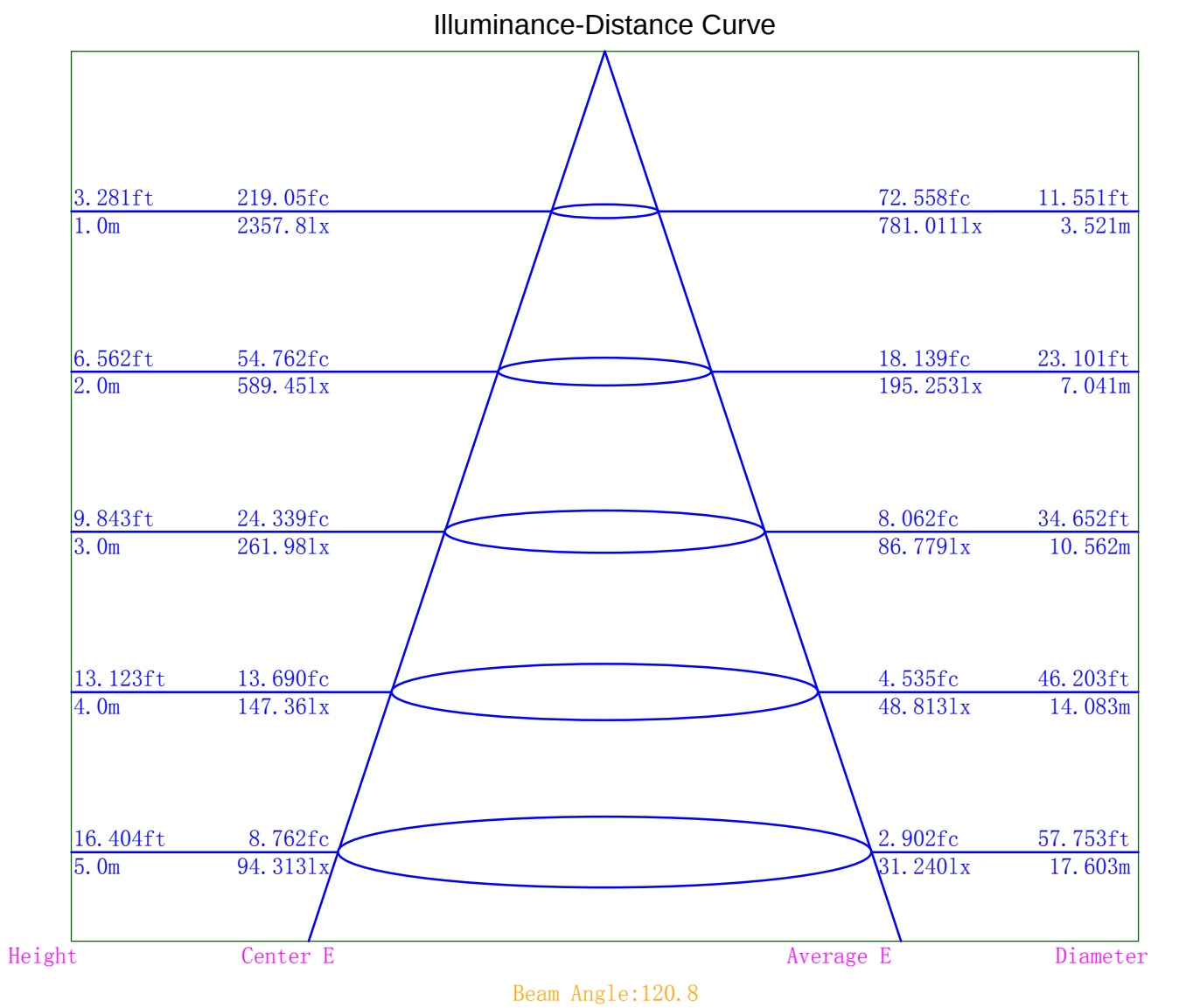
Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22



Space Plane Maximum Illuminance and @Angle:2385.14lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:2386.227cd,0deg

Illuminance-Distance Diagram

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22



IES Indoor Report

Photometric Filename:TP-150-60W-P.IES

Indoor Luminance Limiting Curves

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22

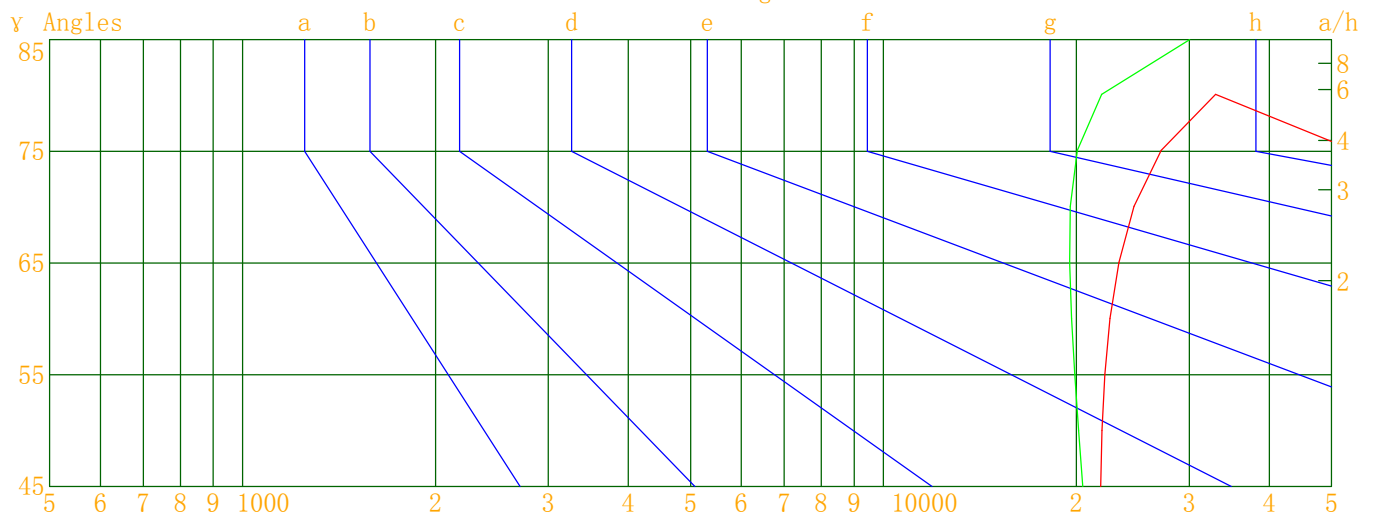
Glare Grade Table

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	21825	21918	22141	22568	23297	24591	27106	32982	53277
C90	20460	20153	19874	19647	19514	19572	20078	21894	30038

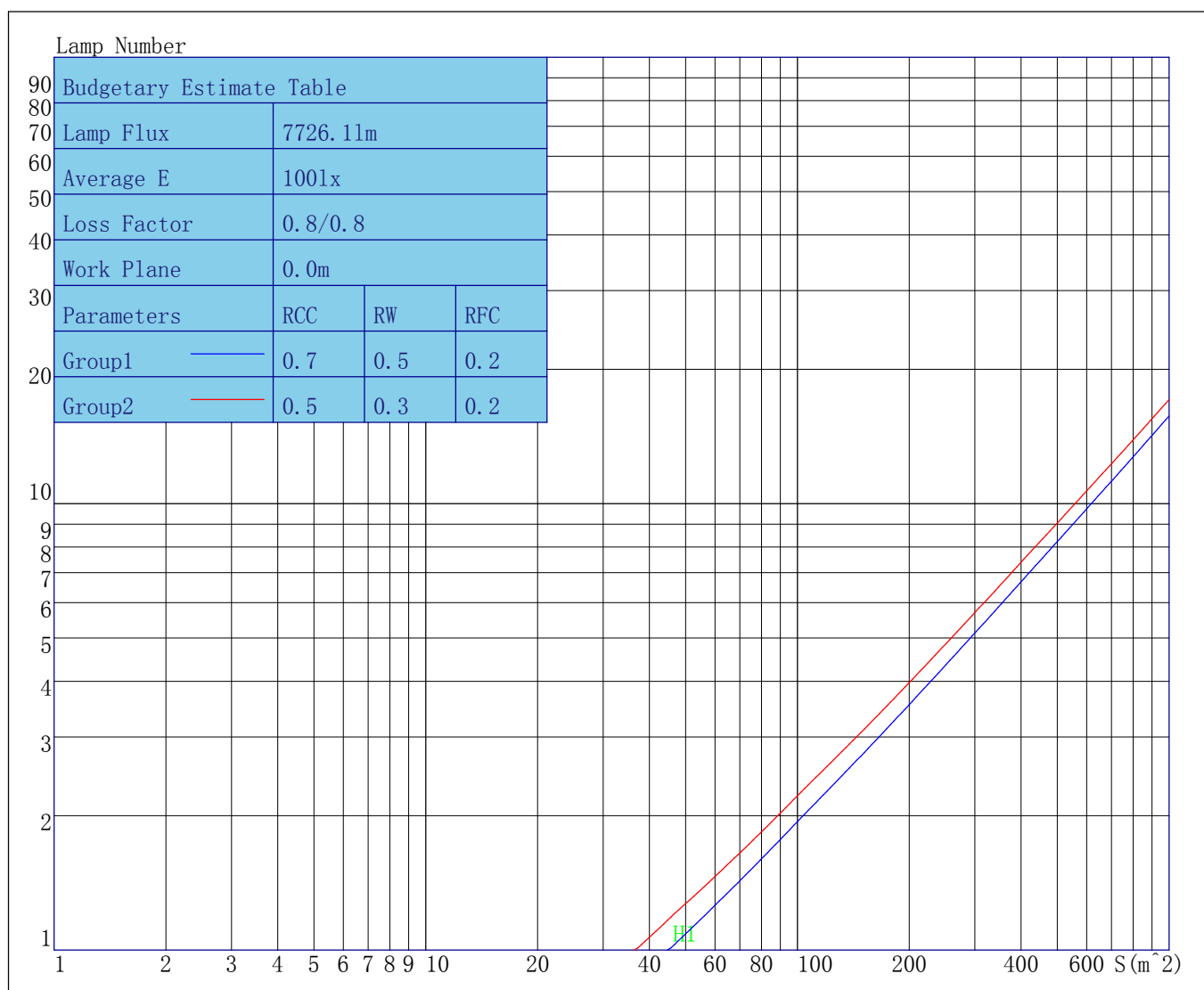
Luminance Limiting Curve



Luminous Size: Length(m)=0.070 Width(m)=1.431 Height(m)=0.060 Area(m²)=0.104370
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22



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: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22

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	113	113	113	113	106	106	106	100	100	100	94	94	94	92
1	105	99	94	90	101	96	92	88	91	87	84	85	83	80	81	78	76	74
2	95	86	78	72	91	83	77	71	78	73	68	74	69	65	70	66	63	60
3	86	75	66	60	83	73	65	59	69	62	57	65	59	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	52	47	55	49	45	43
5	72	59	50	43	69	57	49	42	54	47	41	52	45	40	49	44	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	59	47	39	33	45	37	32	43	36	31	41	35	30	28
8	57	44	35	29	55	43	35	29	41	34	28	39	33	28	37	32	27	25
9	54	40	32	26	52	39	31	26	38	30	26	36	30	25	34	29	25	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	20

IES Indoor Report
Photometric Filename:TP-150-60W-P.IES

Unified Glare Rating Table

Lum. Name: Tri-proof Light	Lum. Catalog: TP-150-60W-P	Test ID:
Lamp Name: Sanan	Lamp Catalog: SMD2835	Test Lab: Unicornlite
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/22

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	22.5	24.0	23.0	24.5	25.0	22.1	23.6	22.5	24.0	24.5
	24.7	26.0	25.2	26.5	27.0	23.9	25.3	24.4	25.7	26.3
	25.7	27.0	26.3	27.5	28.1	24.7	26.0	25.2	26.5	27.1
	26.9	28.1	27.4	28.6	29.1	25.5	26.7	26.0	27.2	27.8
	27.5	28.6	28.0	29.2	29.7	25.9	27.1	26.4	27.6	28.1
	28.2	29.3	28.7	29.8	30.4	26.3	27.4	26.8	27.9	28.5
X=4H Y=2H	23.2	24.5	23.7	25.0	25.6	22.9	24.2	23.4	24.7	25.3
	25.6	26.7	26.1	27.2	27.8	24.9	26.0	25.5	26.6	27.1
	26.8	27.8	27.3	28.3	28.9	25.9	26.9	26.5	27.5	28.1
	28.1	29.0	28.7	29.6	30.2	26.9	27.7	27.4	28.3	28.9
	28.8	29.6	29.4	30.2	30.8	27.3	28.1	27.9	28.7	29.3
	29.6	30.4	30.2	31.0	31.6	27.8	28.5	28.4	29.1	29.8
X=8H Y=4H	27.1	28.0	27.7	28.5	29.2	26.4	27.3	27.0	27.8	28.5
	28.6	29.3	29.3	30.0	30.7	27.6	28.3	28.2	28.9	29.6
	29.5	30.1	30.1	30.8	31.4	28.1	28.8	28.8	29.4	30.0
	30.5	31.1	31.2	31.7	32.4	28.8	29.3	29.4	29.9	30.7
X=12H Y=4H	27.2	27.9	27.8	28.5	29.2	26.6	27.3	27.2	27.9	28.5
	28.8	29.4	29.4	30.0	30.7	27.8	28.4	28.4	29.0	29.7
	29.7	30.2	30.3	30.9	31.6	28.4	29.0	29.1	29.6	30.3
Variations with the objverver position at spacings										
S=1.0H	0.1/-0.1					0.3/-0.3				
S=1.5H	0.2/-0.2					0.5/-0.5				
S=2.0H	0.2/-0.2					0.5/-0.6				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	4.5					3.9				

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

IES Indoor Report
Photometric Filename:TP-150-60W-P.IES

Candela Tabulation

V/H	C0. 0	C60. 0	C120. 0	C180. 0	C240. 0	C300. 0
Y 0. 0	2357. 82	2357. 82	2357. 82	2357. 82	2357. 82	2357. 82
Y 1. 0	2386. 23	2342. 45	2313. 90	2388. 33	2343. 46	2310. 63
Y 2. 0	2383. 01	2341. 07	2313. 72	2388. 26	2342. 98	2307. 58
Y 3. 0	2379. 47	2337. 57	2313. 21	2387. 47	2340. 51	2303. 65
Y 4. 0	2375. 05	2333. 24	2311. 11	2384. 98	2338. 27	2298. 80
Y 5. 0	2369. 56	2328. 89	2308. 48	2382. 20	2334. 54	2292. 61
Y 6. 0	2362. 93	2323. 03	2304. 71	2378. 64	2329. 62	2285. 38
Y 7. 0	2356. 20	2316. 16	2300. 18	2373. 98	2323. 45	2278. 15
Y 8. 0	2348. 03	2308. 45	2294. 05	2368. 41	2317. 21	2269. 30
Y 9. 0	2339. 22	2299. 63	2288. 03	2361. 72	2309. 38	2259. 39
Y 10. 0	2329. 14	2289. 78	2280. 42	2354. 80	2300. 40	2248. 92
Y 11. 0	2318. 52	2278. 92	2272. 13	2346. 47	2290. 99	2237. 82
Y 12. 0	2307. 09	2267. 31	2262. 23	2336. 98	2280. 51	2225. 53
Y 13. 0	2294. 70	2255. 06	2252. 18	2327. 17	2268. 97	2212. 08
Y 14. 0	2281. 85	2241. 68	2240. 84	2316. 14	2256. 30	2197. 74
Y 15. 0	2268. 11	2227. 55	2228. 55	2304. 36	2243. 16	2182. 67
Y 16. 0	2253. 65	2212. 75	2215. 37	2292. 37	2228. 82	2167. 21
Y 17. 0	2238. 35	2196. 60	2201. 47	2279. 39	2213. 90	2150. 21
Y 18. 0	2222. 17	2179. 64	2186. 64	2265. 27	2197. 59	2133. 39
Y 19. 0	2206. 18	2161. 83	2171. 27	2250. 49	2181. 14	2114. 85
Y 20. 0	2189. 20	2143. 99	2154. 60	2235. 26	2163. 43	2096. 07
Y 21. 0	2171. 36	2124. 64	2137. 39	2219. 04	2144. 91	2075. 89
Y 22. 0	2153. 10	2104. 76	2119. 25	2202. 65	2125. 63	2055. 55
Y 23. 0	2134. 36	2084. 59	2100. 19	2185. 09	2105. 76	2034. 66
Y 24. 0	2114. 93	2063. 03	2081. 06	2167. 61	2084. 37	2012. 63
Y 25. 0	2095. 41	2041. 06	2060. 32	2149. 10	2063. 53	1990. 50
Y 26. 0	2074. 90	2018. 50	2039. 40	2129. 98	2041. 05	1967. 02
Y 27. 0	2053. 80	1994. 99	2017. 19	2110. 34	2018. 33	1943. 06
Y 28. 0	2032. 60	1970. 95	1994. 79	2090. 04	1994. 33	1918. 93
Y 29. 0	2010. 69	1946. 61	1971. 60	2069. 51	1970. 17	1894. 06
Y 30. 0	1988. 52	1921. 31	1947. 80	2047. 78	1945. 15	1868. 53
Y 31. 0	1966. 20	1895. 45	1923. 61	2026. 52	1919. 65	1842. 44
Y 32. 0	1942. 84	1869. 43	1898. 61	2004. 01	1893. 89	1816. 34
Y 33. 0	1919. 20	1842. 99	1872. 93	1981. 27	1867. 16	1788. 88
Y 34. 0	1895. 22	1815. 48	1846. 54	1957. 88	1839. 93	1761. 25
Y 35. 0	1871. 02	1787. 81	1819. 99	1934. 77	1811. 68	1733. 87
Y 36. 0	1846. 42	1759. 74	1792. 72	1910. 21	1784. 11	1705. 19
Y 37. 0	1821. 35	1731. 28	1765. 39	1885. 76	1755. 43	1676. 89
Y 38. 0	1796. 29	1702. 21	1737. 00	1861. 03	1726. 02	1647. 38
Y 39. 0	1770. 63	1673. 03	1708. 72	1835. 34	1696. 81	1618. 11
Y 40. 0	1744. 74	1643. 06	1679. 19	1809. 50	1667. 01	1588. 14
Y 41. 0	1718. 29	1613. 36	1650. 33	1783. 83	1636. 77	1558. 19
Y 42. 0	1691. 80	1583. 21	1620. 52	1757. 27	1605. 96	1527. 80
Y 43. 0	1665. 44	1552. 70	1590. 43	1730. 82	1575. 46	1497. 35
Y 44. 0	1638. 20	1521. 34	1560. 47	1703. 31	1544. 25	1466. 33
Y 45. 0	1610. 72	1490. 12	1529. 73	1675. 64	1512. 69	1434. 92
Y 46. 0	1582. 89	1458. 97	1498. 49	1648. 03	1480. 60	1403. 65

IES Indoor Report
Photometric Filename:TP-150-60W-P.IES

Candela Tabulation - (Cont.)

V/H	C0. 0	C60. 0	C120. 0	C180. 0	C240. 0	C300. 0
Y 47. 0	1555. 23	1427. 40	1467. 28	1620. 19	1448. 86	1372. 17
Y 48. 0	1527. 21	1395. 51	1436. 05	1591. 99	1416. 67	1340. 29
Y 49. 0	1499. 05	1363. 74	1404. 39	1563. 70	1384. 41	1308. 60
Y 50. 0	1470. 46	1331. 28	1372. 76	1534. 75	1351. 99	1276. 56
Y 51. 0	1441. 73	1299. 06	1340. 73	1505. 63	1318. 95	1243. 99
Y 52. 0	1413. 00	1266. 60	1308. 11	1476. 08	1286. 32	1211. 73
Y 53. 0	1383. 87	1233. 88	1276. 11	1446. 85	1253. 18	1179. 45
Y 54. 0	1354. 83	1201. 48	1243. 58	1417. 05	1220. 04	1146. 85
Y 55. 0	1325. 47	1168. 39	1211. 14	1387. 47	1187. 02	1114. 55
Y 56. 0	1296. 41	1135. 32	1178. 67	1357. 29	1153. 75	1081. 85
Y 57. 0	1266. 92	1102. 52	1145. 87	1327. 09	1120. 33	1048. 91
Y 58. 0	1237. 26	1069. 43	1112. 64	1296. 64	1086. 97	1016. 12
Y 59. 0	1207. 46	1036. 59	1079. 76	1266. 01	1053. 34	983. 38
Y 60. 0	1177. 69	1003. 44	1047. 10	1235. 59	1019. 90	950. 84
Y 61. 0	1147. 66	970. 66	1014. 14	1205. 08	986. 67	918. 46
Y 62. 0	1117. 88	937. 62	981. 35	1174. 19	953. 49	885. 77
Y 63. 0	1087. 88	904. 59	948. 40	1143. 44	920. 07	853. 04
Y 64. 0	1057. 70	871. 92	915. 41	1112. 57	886. 68	820. 61
Y 65. 0	1027. 61	839. 01	882. 44	1081. 64	853. 44	788. 27
Y 66. 0	997. 75	806. 31	850. 09	1050. 56	820. 37	755. 97
Y 67. 0	967. 64	773. 68	817. 53	1020. 05	787. 49	724. 12
Y 68. 0	937. 72	741. 28	784. 99	989. 09	754. 79	692. 21
Y 69. 0	907. 98	708. 97	752. 77	958. 07	722. 33	660. 22
Y 70. 0	877. 81	676. 80	720. 50	927. 31	689. 85	628. 77
Y 71. 0	848. 28	645. 00	688. 45	896. 80	657. 60	597. 67
Y 72. 0	819. 04	613. 62	656. 98	866. 45	625. 85	566. 78
Y 73. 0	789. 77	582. 43	625. 54	836. 21	594. 30	536. 49
Y 74. 0	760. 92	551. 44	594. 52	806. 14	563. 11	506. 24
Y 75. 0	732. 22	520. 94	563. 77	776. 13	532. 34	476. 43
Y 76. 0	704. 03	490. 89	533. 23	746. 70	501. 90	447. 28
Y 77. 0	676. 18	461. 39	503. 16	717. 75	471. 96	418. 85
Y 78. 0	649. 45	432. 53	473. 78	689. 11	442. 77	390. 99
Y 79. 0	623. 23	404. 34	444. 84	661. 32	414. 17	364. 25
Y 80. 0	597. 76	376. 97	416. 62	633. 99	386. 45	338. 18
Y 81. 0	573. 20	350. 39	389. 05	607. 09	359. 52	313. 13
Y 82. 0	549. 41	325. 08	362. 27	581. 42	333. 55	289. 54
Y 83. 0	526. 73	301. 05	336. 55	556. 79	308. 81	267. 49
Y 84. 0	505. 28	278. 52	312. 12	532. 96	285. 44	247. 12
Y 85. 0	484. 63	257. 67	288. 81	510. 14	263. 58	228. 60
Y 86. 0	465. 01	238. 56	266. 92	488. 22	243. 41	211. 71
Y 87. 0	446. 26	221. 31	246. 64	467. 19	225. 06	196. 51
Y 88. 0	428. 58	205. 82	228. 10	447. 45	208. 52	183. 08
Y 89. 0	411. 81	192. 00	211. 43	428. 85	193. 67	171. 36
Y 90. 0	396. 31	179. 76	196. 62	411. 20	180. 60	160. 88
Y 91. 0	381. 55	168. 90	183. 34	394. 79	169. 01	151. 63
Y 92. 0	367. 55	159. 21	171. 58	379. 15	158. 86	143. 28
Y 93. 0	354. 29	150. 56	161. 24	364. 29	149. 89	135. 69

IES Indoor Report
Photometric Filename:TP-150-60W-P.IES

Candela Tabulation - (Cont.)

V/H	C0. 0	C60. 0	C120. 0	C180. 0	C240. 0	C300. 0
Y 94. 0	341. 84	142. 75	152. 05	350. 53	141. 96	128. 57
Y 95. 0	330. 15	135. 51	143. 96	337. 65	134. 75	121. 89
Y 96. 0	319. 17	128. 64	136. 83	325. 56	128. 07	115. 54
Y 97. 0	308. 67	122. 10	130. 10	314. 32	121. 72	109. 53
Y 98. 0	298. 81	115. 89	123. 75	303. 62	115. 68	103. 79
Y 99. 0	289. 16	109. 98	117. 71	293. 42	109. 98	98. 36
Y 100. 0	279. 77	104. 39	111. 94	283. 77	104. 52	92. 76
Y 101. 0	270. 64	99. 10	106. 50	274. 39	99. 36	80. 20
Y 102. 0	261. 83	94. 07	101. 33	265. 21	94. 46	73. 62
Y 103. 0	253. 08	89. 29	96. 42	256. 31	89. 80	73. 21
Y 104. 0	244. 58	84. 73	91. 76	247. 59	85. 31	71. 39
Y 105. 0	236. 27	80. 38	87. 29	239. 03	80. 29	67. 52
Y 106. 0	228. 02	75. 64	82. 73	230. 74	75. 66	63. 73
Y 107. 0	220. 12	70. 97	77. 76	222. 66	71. 25	59. 89
Y 108. 0	212. 38	66. 83	73. 69	214. 53	66. 36	55. 91
Y 109. 0	204. 71	62. 21	68. 97	204. 68	62. 27	52. 75
Y 110. 0	196. 86	58. 42	64. 61	194. 11	59. 18	50. 24
Y 111. 0	186. 90	55. 60	61. 24	185. 13	56. 42	47. 95
Y 112. 0	177. 55	53. 02	58. 29	177. 52	53. 87	45. 86
Y 113. 0	169. 60	50. 63	55. 65	170. 82	51. 49	43. 95
Y 114. 0	162. 79	48. 46	53. 27	164. 78	49. 29	42. 15
Y 115. 0	156. 65	46. 44	51. 04	159. 70	47. 26	40. 26
Y 116. 0	151. 22	44. 53	48. 97	154. 16	45. 39	38. 61
Y 117. 0	146. 56	42. 78	47. 04	147. 93	43. 64	37. 06
Y 118. 0	140. 91	41. 10	45. 24	141. 90	41. 97	35. 72
Y 119. 0	135. 15	39. 55	43. 54	136. 02	40. 38	34. 60
Y 120. 0	129. 52	38. 15	41. 92	130. 24	38. 94	33. 56
Y 121. 0	123. 89	36. 82	40. 43	125. 23	37. 64	32. 48
Y 122. 0	118. 51	35. 40	39. 05	119. 36	36. 42	31. 37
Y 123. 0	113. 61	34. 17	37. 82	113. 44	35. 31	30. 35
Y 124. 0	108. 04	33. 04	36. 64	107. 86	34. 25	29. 45
Y 125. 0	102. 72	32. 05	35. 58	102. 67	33. 29	28. 67
Y 126. 0	97. 78	31. 17	34. 61	97. 82	32. 41	27. 98
Y 127. 0	93. 14	30. 38	33. 71	93. 29	31. 61	27. 35
Y 128. 0	88. 79	29. 68	32. 87	88. 96	30. 88	26. 77
Y 129. 0	84. 65	29. 06	32. 10	84. 82	30. 19	26. 32
Y 130. 0	80. 66	28. 51	31. 39	80. 91	29. 59	25. 99
Y 131. 0	76. 92	28. 13	30. 74	77. 18	29. 01	25. 64
Y 132. 0	73. 39	27. 74	30. 16	73. 60	28. 50	25. 32
Y 133. 0	69. 98	27. 34	29. 62	70. 22	28. 04	25. 02
Y 134. 0	66. 75	27. 01	29. 10	66. 97	27. 62	24. 77
Y 135. 0	63. 65	26. 72	28. 66	63. 86	27. 23	24. 51
Y 136. 0	60. 70	26. 41	28. 25	60. 95	26. 89	24. 36
Y 137. 0	57. 94	26. 14	27. 85	58. 21	26. 52	24. 22
Y 138. 0	55. 35	25. 97	27. 48	55. 56	26. 25	24. 14
Y 139. 0	52. 86	25. 83	27. 14	53. 08	26. 01	24. 06
Y 140. 0	50. 51	25. 72	26. 89	50. 71	25. 81	23. 99

IES Indoor Report

Photometric Filename:TP-150-60W-P.IES

Candela Tabulation - (Cont.)

V/H	C0. 0	C60. 0	C120. 0	C180. 0	C240. 0	C300. 0
Y 141. 0	48. 29	25. 61	26. 66	48. 47	25. 63	23. 93
Y 142. 0	46. 21	25. 50	26. 43	46. 39	25. 47	23. 90
Y 143. 0	44. 26	25. 41	26. 23	44. 46	25. 34	23. 88
Y 144. 0	42. 48	25. 33	26. 05	42. 64	25. 24	23. 85
Y 145. 0	40. 77	25. 28	25. 91	40. 94	25. 13	23. 84
Y 146. 0	39. 21	25. 22	25. 78	39. 36	25. 06	23. 86
Y 147. 0	37. 77	25. 18	25. 65	37. 91	25. 00	23. 86
Y 148. 0	36. 40	25. 14	25. 57	36. 57	24. 95	23. 88
Y 149. 0	35. 19	25. 13	25. 48	35. 35	24. 90	23. 90
Y 150. 0	34. 08	25. 11	25. 40	34. 22	24. 89	23. 91
Y 151. 0	33. 09	25. 09	25. 34	33. 23	24. 85	23. 94
Y 152. 0	32. 20	25. 08	25. 29	32. 31	24. 83	23. 97
Y 153. 0	31. 41	25. 06	25. 23	31. 47	24. 79	23. 99
Y 154. 0	30. 71	25. 04	25. 17	30. 66	24. 77	24. 02
Y 155. 0	30. 10	25. 03	25. 12	29. 98	24. 76	24. 05
Y 156. 0	29. 51	25. 03	25. 07	29. 42	24. 76	24. 07
Y 157. 0	29. 08	25. 02	25. 03	28. 96	24. 75	24. 10
Y 158. 0	28. 74	25. 02	25. 00	28. 58	24. 77	24. 15
Y 159. 0	28. 45	25. 03	24. 98	28. 29	24. 76	24. 18
Y 160. 0	28. 18	25. 03	24. 95	28. 02	24. 77	24. 21
Y 161. 0	27. 96	25. 04	24. 94	27. 81	24. 77	24. 26
Y 162. 0	27. 76	25. 04	24. 91	27. 66	24. 79	24. 30
Y 163. 0	27. 59	25. 07	24. 90	27. 50	24. 80	24. 33
Y 164. 0	27. 41	25. 06	24. 89	27. 36	24. 81	24. 37
Y 165. 0	27. 26	25. 08	24. 88	27. 23	24. 81	24. 41
Y 166. 0	27. 09	25. 08	24. 86	27. 13	24. 81	24. 44
Y 167. 0	26. 96	25. 10	24. 84	27. 02	24. 82	24. 48
Y 168. 0	26. 81	25. 11	24. 81	26. 93	24. 82	24. 53
Y 169. 0	26. 71	25. 11	24. 81	26. 85	24. 84	24. 56
Y 170. 0	26. 61	25. 12	24. 80	26. 76	24. 84	24. 58
Y 171. 0	26. 50	25. 13	24. 78	26. 70	24. 87	24. 61
Y 172. 0	26. 43	25. 12	24. 77	26. 61	24. 87	24. 66
Y 173. 0	26. 34	25. 14	24. 77	26. 54	24. 89	24. 68
Y 174. 0	26. 28	25. 14	24. 75	26. 52	24. 91	24. 72
Y 175. 0	26. 23	25. 14	24. 76	26. 52	24. 91	24. 75
Y 176. 0	26. 18	25. 15	24. 75	26. 53	24. 92	24. 79
Y 177. 0	26. 15	25. 17	24. 73	26. 51	24. 93	24. 81
Y 178. 0	26. 12	25. 18	24. 72	26. 51	24. 93	24. 83
Y 179. 0	26. 10	25. 19	24. 69	26. 52	24. 93	24. 86
Y 180. 0	25. 61	25. 61	25. 61	25. 61	25. 61	25. 61