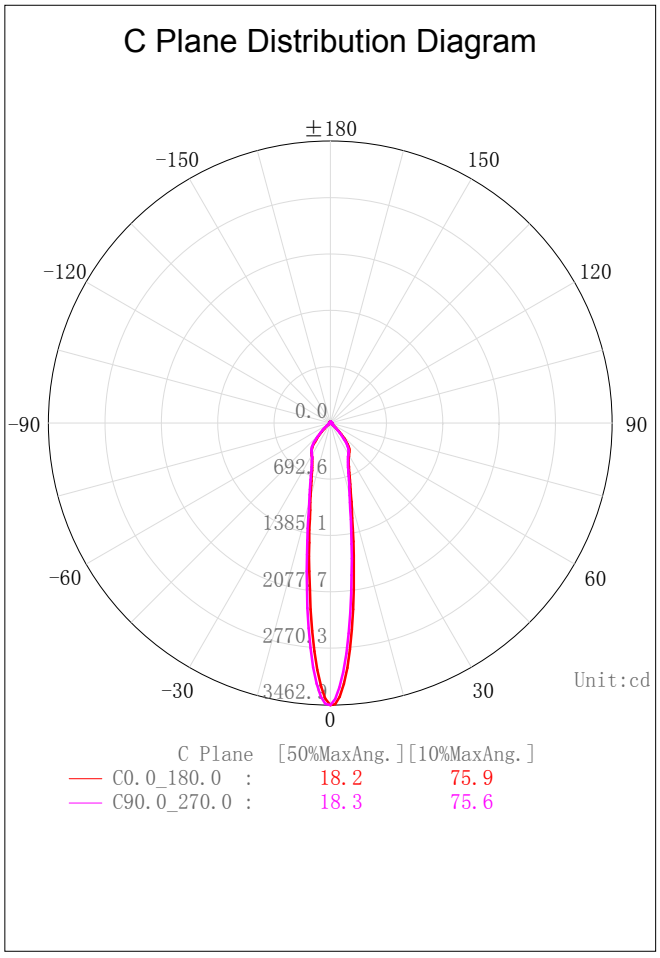
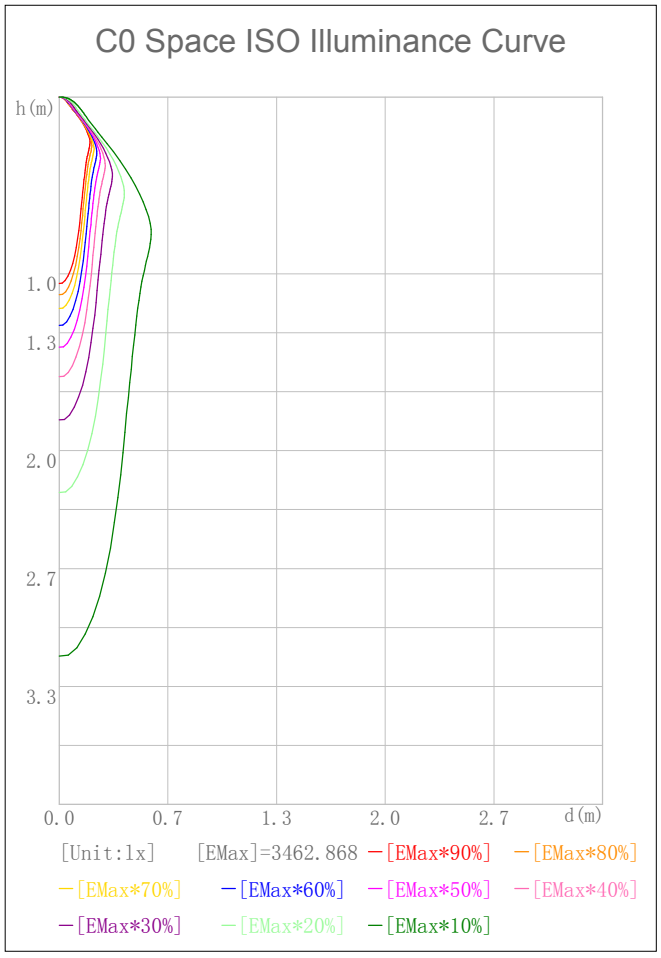
IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Indoor Luminaire Photometric Data

Character Parameter

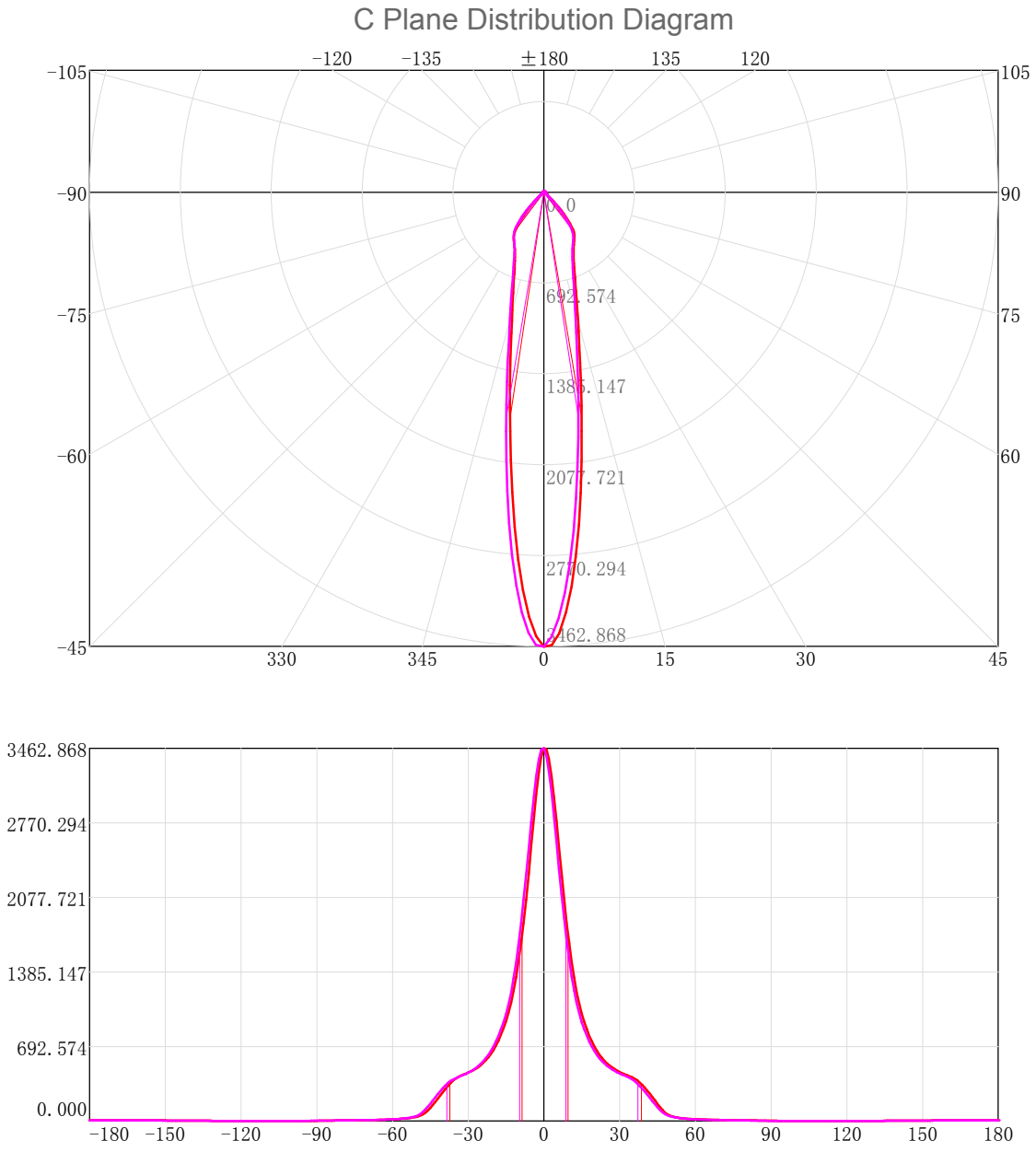
Lamp Speciality Parameter		Luminaire Speciality Parameter		
Rated Flux(lm):	1100.000	Luminary Flux(lm):	1178.009	Field Angle(10%Imax): 75.9(°)
Rated Power(W):		Luminary Efficiency:	107.09%	Down Lumens&Percent: 1151.688lm 97.77%
Rated Voltage(V):		Luminary EER(lm/W):	95.154	Up Lumens&Percent: 26.321lm 2.23%
Tested Power(W):	12.380	Max.Candela(cd):	3462.868	S/MH: C0_a180=0.308 C90_270=0.311
Lamps' Inside:	1	Max Cand@Ang.(°):	C=0.0 γ=0.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):240.3,0.054,0.943		Beam Angle(50%Imax):	18.2(°)	ErP Φuse(90°): 1048.997lm
Lamp Size(W*L*H):0.050m*0.000m*0.000m		Left=-8.6° ,Right=9.6°		IRF(%): 630.411





IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

2D Plane Light Intensity Distribution Curve

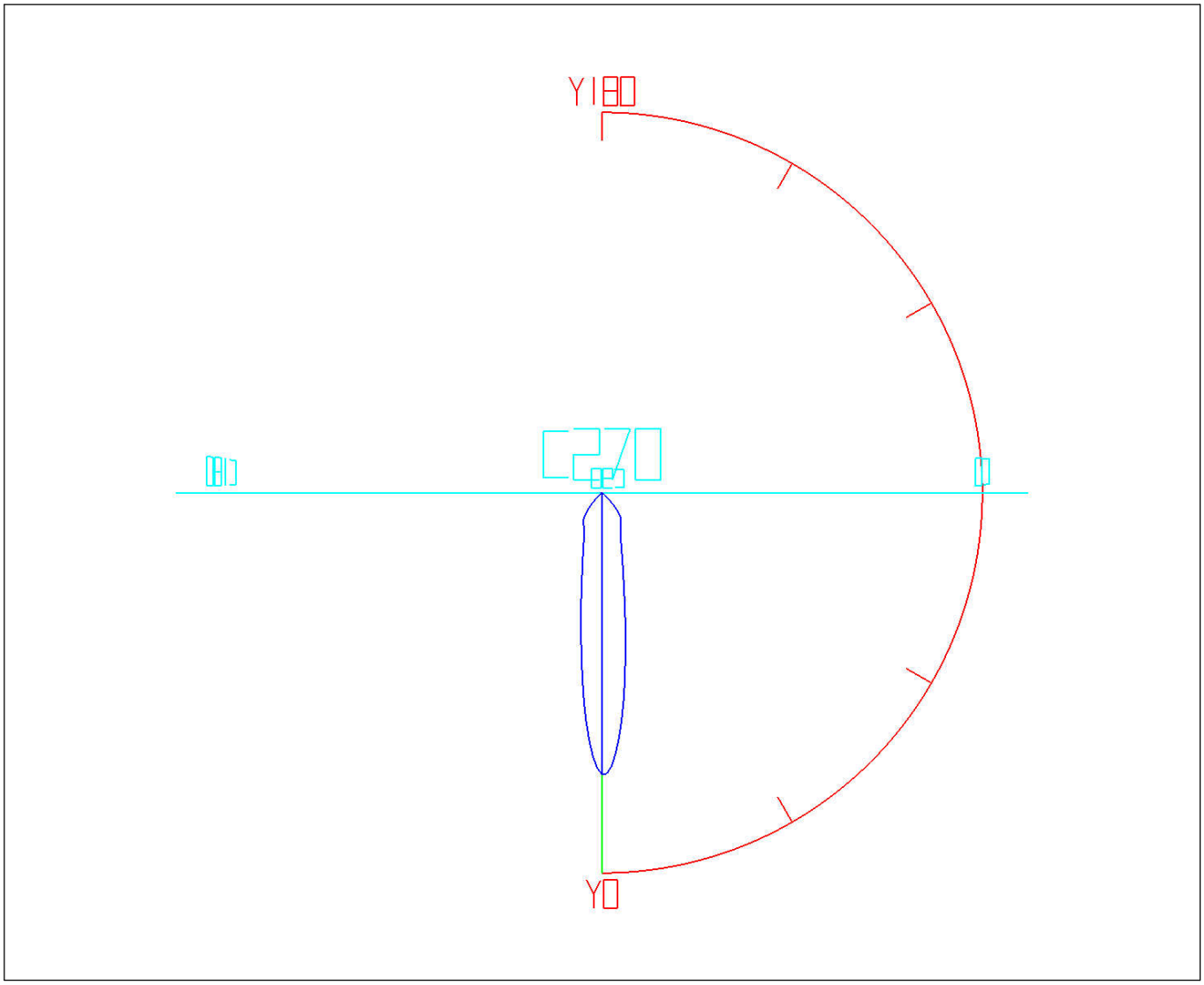


C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C0.0_180.0 :	18.2	75.9	
C90.0_270.0 :	18.3	75.6	

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

3D Light Intensity Distribution Modal

3D Light Intensity Distribution Modal



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

IES EQUIVALENT
Photometric Filename:KA13R15BTC.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	3.29	3.29	0.30	0.30	47.0-48.0	6.72	1086.23	0.61	98.75
1.0-2.0	9.65	12.94	0.88	1.18	48.0-49.0	5.43	1091.66	0.49	99.24
2.0-3.0	15.38	28.32	1.40	2.57	49.0-50.0	4.51	1096.17	0.41	99.65
3.0-4.0	20.23	48.55	1.84	4.41	50.0-51.0	3.88	1100.04	0.35	100.00
4.0-5.0	24.08	72.62	2.19	6.60	51.0-52.0	3.39	1103.43	0.31	100.31
5.0-6.0	26.87	99.50	2.44	9.05	52.0-53.0	2.98	1106.41	0.27	100.58
6.0-7.0	28.70	128.20	2.61	11.65	53.0-54.0	2.68	1109.09	0.24	100.83
7.0-8.0	29.71	157.91	2.70	14.36	54.0-55.0	2.45	1111.54	0.22	101.05
8.0-9.0	30.13	188.04	2.74	17.09	55.0-56.0	2.28	1113.82	0.21	101.26
9.0-10.0	30.15	218.19	2.74	19.84	56.0-57.0	2.12	1115.94	0.19	101.45
10.0-11.0	29.83	248.02	2.71	22.55	57.0-58.0	1.99	1117.93	0.18	101.63
11.0-12.0	29.28	277.30	2.66	25.21	58.0-59.0	1.86	1119.79	0.17	101.80
12.0-13.0	28.66	305.96	2.61	27.81	59.0-60.0	1.76	1121.55	0.16	101.96
13.0-14.0	28.09	334.05	2.55	30.37	60.0-61.0	1.66	1123.21	0.15	102.11
14.0-15.0	27.60	361.65	2.51	32.88	61.0-62.0	1.58	1124.79	0.14	102.25
15.0-16.0	27.14	388.78	2.47	35.34	62.0-63.0	1.51	1126.29	0.14	102.39
16.0-17.0	26.68	415.46	2.43	37.77	63.0-64.0	1.44	1127.73	0.13	102.52
17.0-18.0	26.26	441.72	2.39	40.16	64.0-65.0	1.38	1129.11	0.13	102.65
18.0-19.0	25.86	467.59	2.35	42.51	65.0-66.0	1.32	1130.43	0.12	102.77
19.0-20.0	25.50	493.09	2.32	44.83	66.0-67.0	1.28	1131.71	0.12	102.88
20.0-21.0	25.17	518.26	2.29	47.11	67.0-68.0	1.23	1132.94	0.11	102.99
21.0-22.0	24.90	543.16	2.26	49.38	68.0-69.0	1.19	1134.13	0.11	103.10
22.0-23.0	24.70	567.87	2.25	51.62	69.0-70.0	1.15	1135.29	0.10	103.21
23.0-24.0	24.55	592.41	2.23	53.86	70.0-71.0	1.12	1136.41	0.10	103.31
24.0-25.0	24.45	616.86	2.22	56.08	71.0-72.0	1.08	1137.49	0.10	103.41
25.0-26.0	24.41	641.27	2.22	58.30	72.0-73.0	1.05	1138.54	0.10	103.50
26.0-27.0	24.40	665.67	2.22	60.52	73.0-74.0	1.02	1139.56	0.09	103.60
27.0-28.0	24.44	690.11	2.22	62.74	74.0-75.0	0.99	1140.55	0.09	103.69
28.0-29.0	24.54	714.65	2.23	64.97	75.0-76.0	0.96	1141.51	0.09	103.77
29.0-30.0	24.67	739.32	2.24	67.21	76.0-77.0	0.93	1142.44	0.08	103.86
30.0-31.0	24.81	764.13	2.26	69.47	77.0-78.0	0.90	1143.33	0.08	103.94
31.0-32.0	24.94	789.07	2.27	71.73	78.0-79.0	0.87	1144.20	0.08	104.02
32.0-33.0	25.06	814.13	2.28	74.01	79.0-80.0	0.84	1145.04	0.08	104.09
33.0-34.0	25.11	839.24	2.28	76.29	80.0-81.0	0.81	1145.85	0.07	104.17
34.0-35.0	25.04	864.28	2.28	78.57	81.0-82.0	0.79	1146.64	0.07	104.24
35.0-36.0	24.84	889.12	2.26	80.83	82.0-83.0	0.76	1147.40	0.07	104.31
36.0-37.0	24.38	913.50	2.22	83.05	83.0-84.0	0.73	1148.13	0.07	104.38
37.0-38.0	23.59	937.09	2.14	85.19	84.0-85.0	0.70	1148.83	0.06	104.44
38.0-39.0	22.52	959.61	2.05	87.24	85.0-86.0	0.67	1149.50	0.06	104.50
39.0-40.0	21.18	980.79	1.93	89.16	86.0-87.0	0.63	1150.12	0.06	104.56
40.0-41.0	19.64	1000.43	1.79	90.95	87.0-88.0	0.58	1150.70	0.05	104.61
41.0-42.0	17.94	1018.37	1.63	92.58	88.0-89.0	0.52	1151.22	0.05	104.66
42.0-43.0	16.12	1034.49	1.47	94.04	89.0-90.0	0.47	1151.69	0.04	104.70
43.0-44.0	14.20	1048.69	1.29	95.34	90.0-91.0	0.44	1152.13	0.04	104.74
44.0-45.0	12.21	1060.90	1.11	96.45	91.0-92.0	0.42	1152.55	0.04	104.78
45.0-46.0	10.25	1071.15	0.93	97.38	92.0-93.0	0.41	1152.96	0.04	104.81
46.0-47.0	8.37	1079.51	0.76	98.14	93.0-94.0	0.40	1153.36	0.04	104.85

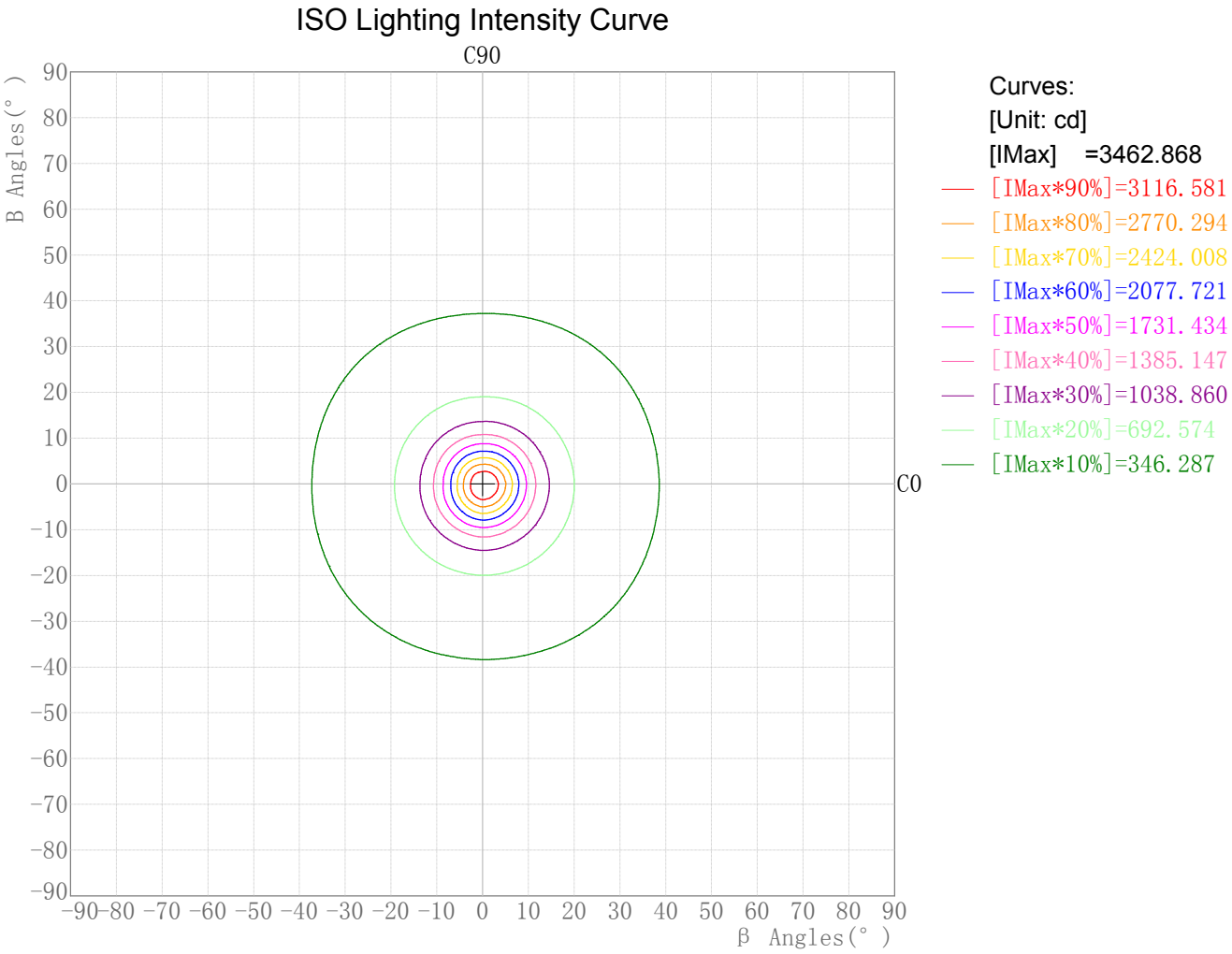
IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	0.39	1153.75	0.04	104.89
95.0-96.0	0.38	1154.12	0.03	104.92
96.0-97.0	0.37	1154.49	0.03	104.95
97.0-98.0	0.36	1154.85	0.03	104.99
98.0-99.0	0.35	1155.20	0.03	105.02
99.0-100.0	0.34	1155.54	0.03	105.05
100.0-101.0	0.33	1155.87	0.03	105.08
101.0-102.0	0.33	1156.20	0.03	105.11
102.0-103.0	0.32	1156.52	0.03	105.14
103.0-104.0	0.32	1156.84	0.03	105.17
104.0-105.0	0.31	1157.15	0.03	105.20
105.0-106.0	0.31	1157.46	0.03	105.22
106.0-107.0	0.31	1157.77	0.03	105.25
107.0-108.0	0.30	1158.07	0.03	105.28
108.0-109.0	0.30	1158.37	0.03	105.31
109.0-110.0	0.30	1158.67	0.03	105.33
110.0-111.0	0.30	1158.97	0.03	105.36
111.0-112.0	0.30	1159.27	0.03	105.39
112.0-113.0	0.30	1159.56	0.03	105.41
113.0-114.0	0.29	1159.86	0.03	105.44
114.0-115.0	0.29	1160.15	0.03	105.47
115.0-116.0	0.29	1160.44	0.03	105.49
116.0-117.0	0.29	1160.74	0.03	105.52
117.0-118.0	0.29	1161.03	0.03	105.55
118.0-119.0	0.29	1161.32	0.03	105.57
119.0-120.0	0.29	1161.62	0.03	105.60
120.0-121.0	0.29	1161.91	0.03	105.63
121.0-122.0	0.30	1162.21	0.03	105.66
122.0-123.0	0.30	1162.50	0.03	105.68
123.0-124.0	0.30	1162.80	0.03	105.71
124.0-125.0	0.30	1163.10	0.03	105.74
125.0-126.0	0.30	1163.40	0.03	105.76
126.0-127.0	0.30	1163.71	0.03	105.79
127.0-128.0	0.31	1164.02	0.03	105.82
128.0-129.0	0.31	1164.33	0.03	105.85
129.0-130.0	0.31	1164.64	0.03	105.88
130.0-131.0	0.32	1164.96	0.03	105.91
131.0-132.0	0.32	1165.28	0.03	105.93
132.0-133.0	0.33	1165.60	0.03	105.96
133.0-134.0	0.33	1165.93	0.03	105.99
134.0-135.0	0.33	1166.27	0.03	106.02
135.0-136.0	0.34	1166.61	0.03	106.06
136.0-137.0	0.34	1166.95	0.03	106.09
137.0-138.0	0.35	1167.30	0.03	106.12
138.0-139.0	0.35	1167.65	0.03	106.15
139.0-140.0	0.36	1168.01	0.03	106.18
140.0-141.0	0.36	1168.37	0.03	106.22
141.0-142.0	0.36	1168.73	0.03	106.25
142.0-143.0	0.37	1169.10	0.03	106.28
143.0-144.0	0.37	1169.47	0.03	106.32
144.0-145.0	0.37	1169.84	0.03	106.35
145.0-146.0	0.37	1170.21	0.03	106.38
146.0-147.0	0.37	1170.58	0.03	106.42
147.0-148.0	0.37	1170.95	0.03	106.45
148.0-149.0	0.37	1171.31	0.03	106.48
149.0-150.0	0.36	1171.68	0.03	106.52
150.0-151.0	0.36	1172.04	0.03	106.55
151.0-152.0	0.35	1172.39	0.03	106.58
152.0-153.0	0.35	1172.74	0.03	106.61
153.0-154.0	0.34	1173.08	0.03	106.64
154.0-155.0	0.33	1173.41	0.03	106.67
155.0-156.0	0.33	1173.74	0.03	106.70
156.0-157.0	0.32	1174.06	0.03	106.73
157.0-158.0	0.31	1174.37	0.03	106.76
158.0-159.0	0.30	1174.67	0.03	106.79
159.0-160.0	0.29	1174.96	0.03	106.81
160.0-161.0	0.28	1175.24	0.03	106.84
161.0-162.0	0.27	1175.50	0.02	106.86
162.0-163.0	0.26	1175.76	0.02	106.89
163.0-164.0	0.25	1176.01	0.02	106.91
164.0-165.0	0.23	1176.24	0.02	106.93
165.0-166.0	0.22	1176.46	0.02	106.95
166.0-167.0	0.21	1176.67	0.02	106.97
167.0-168.0	0.19	1176.86	0.02	106.99
168.0-169.0	0.18	1177.04	0.02	107.00
169.0-170.0	0.17	1177.21	0.02	107.02
170.0-171.0	0.15	1177.36	0.01	107.03
171.0-172.0	0.14	1177.49	0.01	107.04
172.0-173.0	0.12	1177.61	0.01	107.06
173.0-174.0	0.10	1177.72	0.01	107.07
174.0-175.0	0.09	1177.81	0.01	107.07
175.0-176.0	0.07	1177.88	0.01	107.08
176.0-177.0	0.06	1177.94	0.01	107.09
177.0-178.0	0.04	1177.98	0.00	107.09
178.0-179.0	0.02	1178.00	0.00	107.09
179.0-180.0	0.01	1178.01	0.00	107.09

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

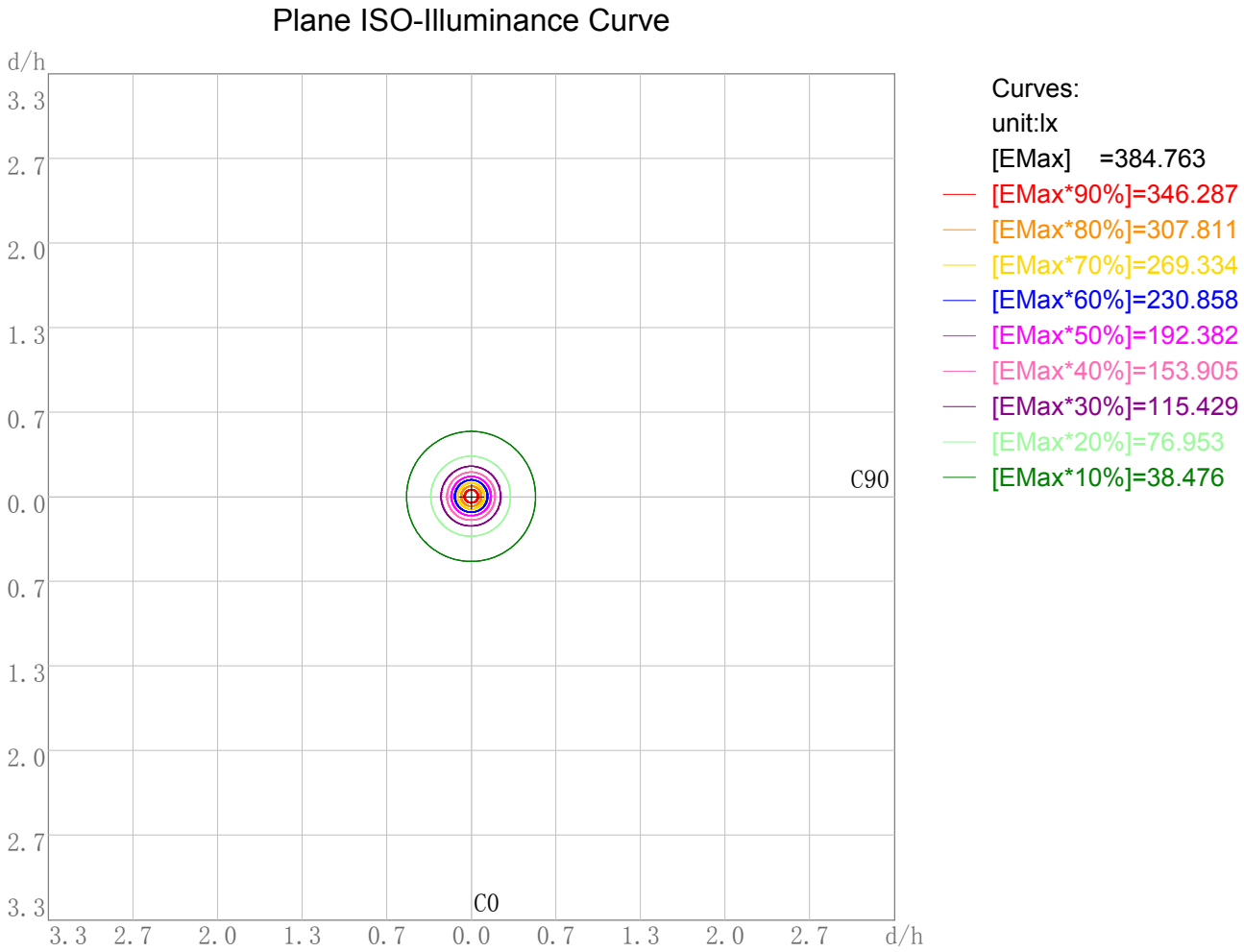
Rectangle ISO Lighting Intensity Diagram



Maximum Light Intensity(cd): 3462.87
Maximum Cand.@Angle: H=0.0°,V=0.0°

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Plane ISO-Illuminance Diagram

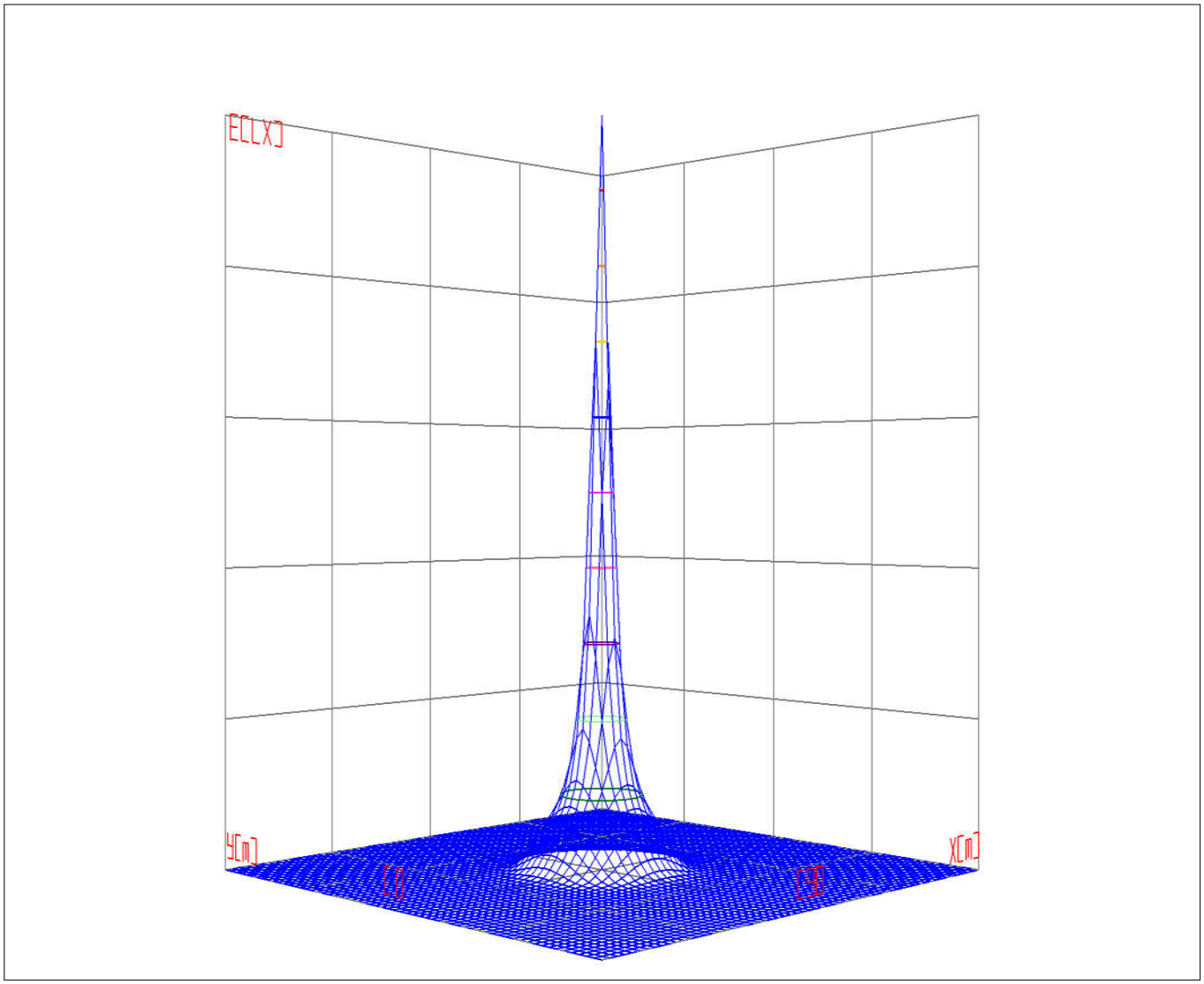


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 384.76
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

3D Plane ISO Illuminance Diagram

3D Plane Illuminance Modal

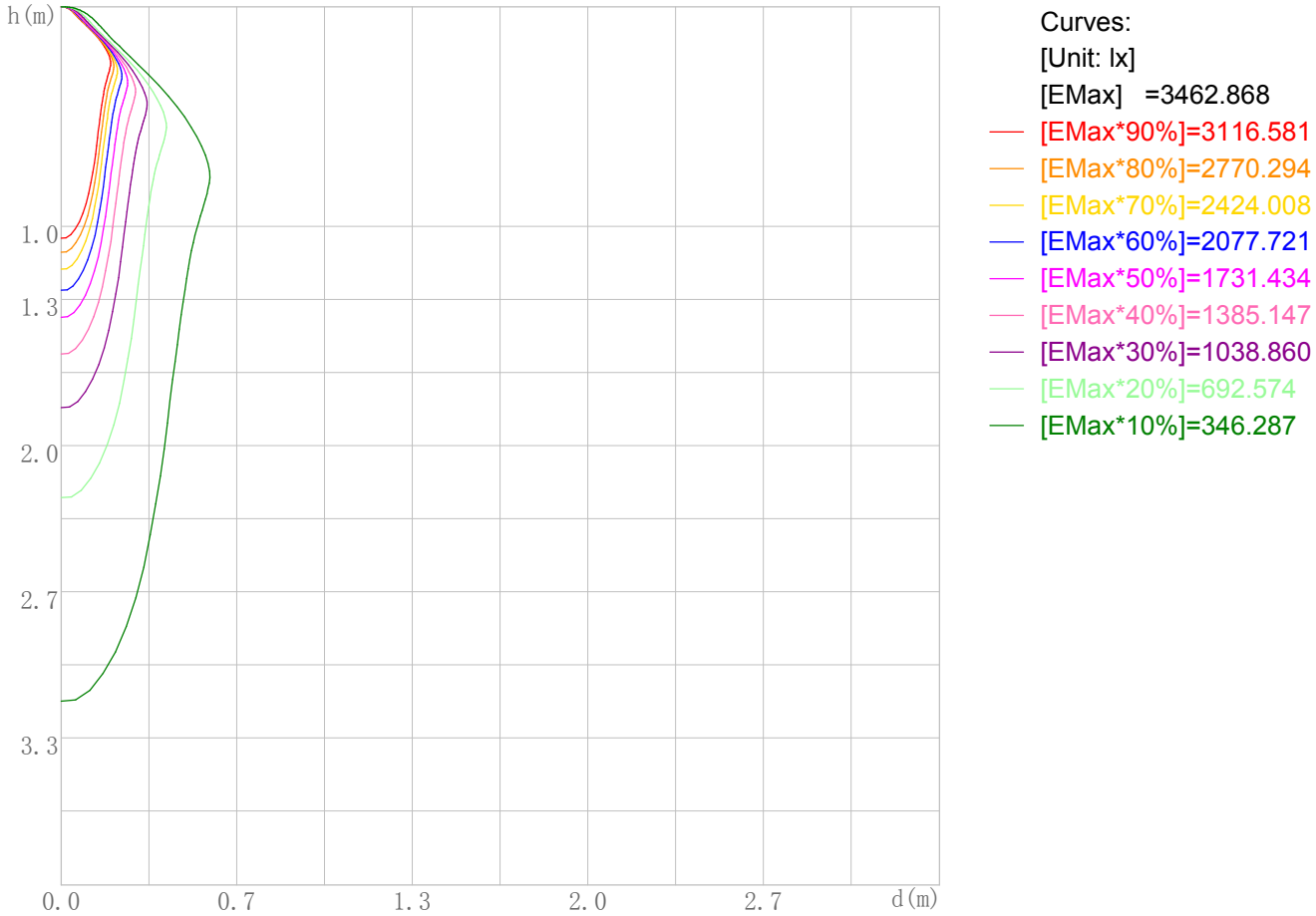


Curves: 3D Model 90% 80% 70% 60% 50% 40% 30% 20% 10%
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Space ISO Illuminance Diagram

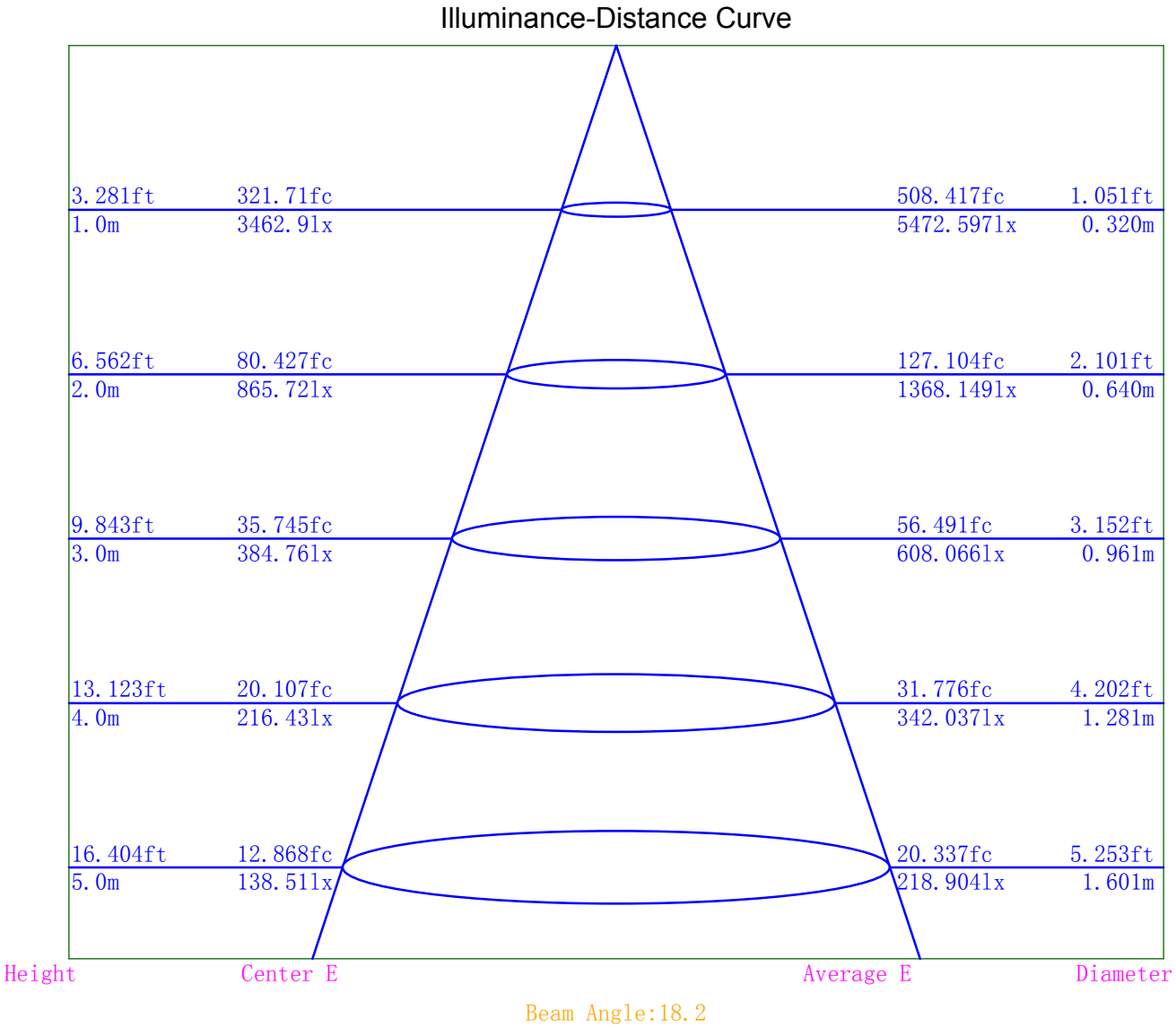
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:3462.87lx,0.0deg
Plane Maximum Lighting Intensity and @Angle:3462.868cd,0eg

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Illuminance-Distance Diagram



IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Indoor Luminance Limiting Curves

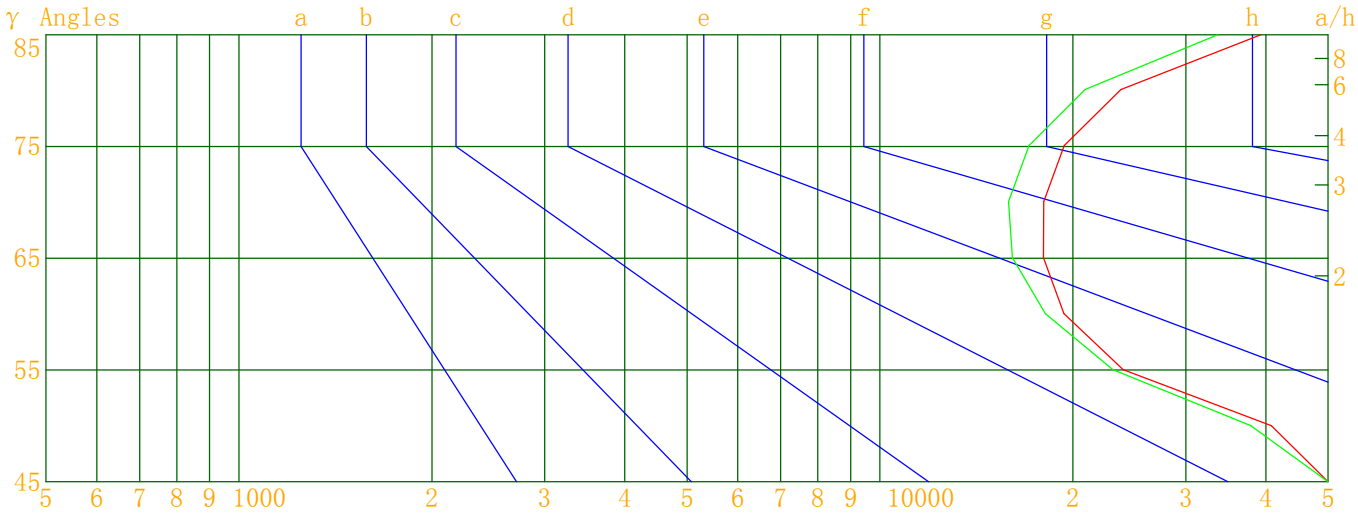
Glare Grade Table

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	116917	40805	23947	19368	17987	18006	19396	23751	39286
C90	93868	37913	23092	18124	16098	15877	17090	20894	33624

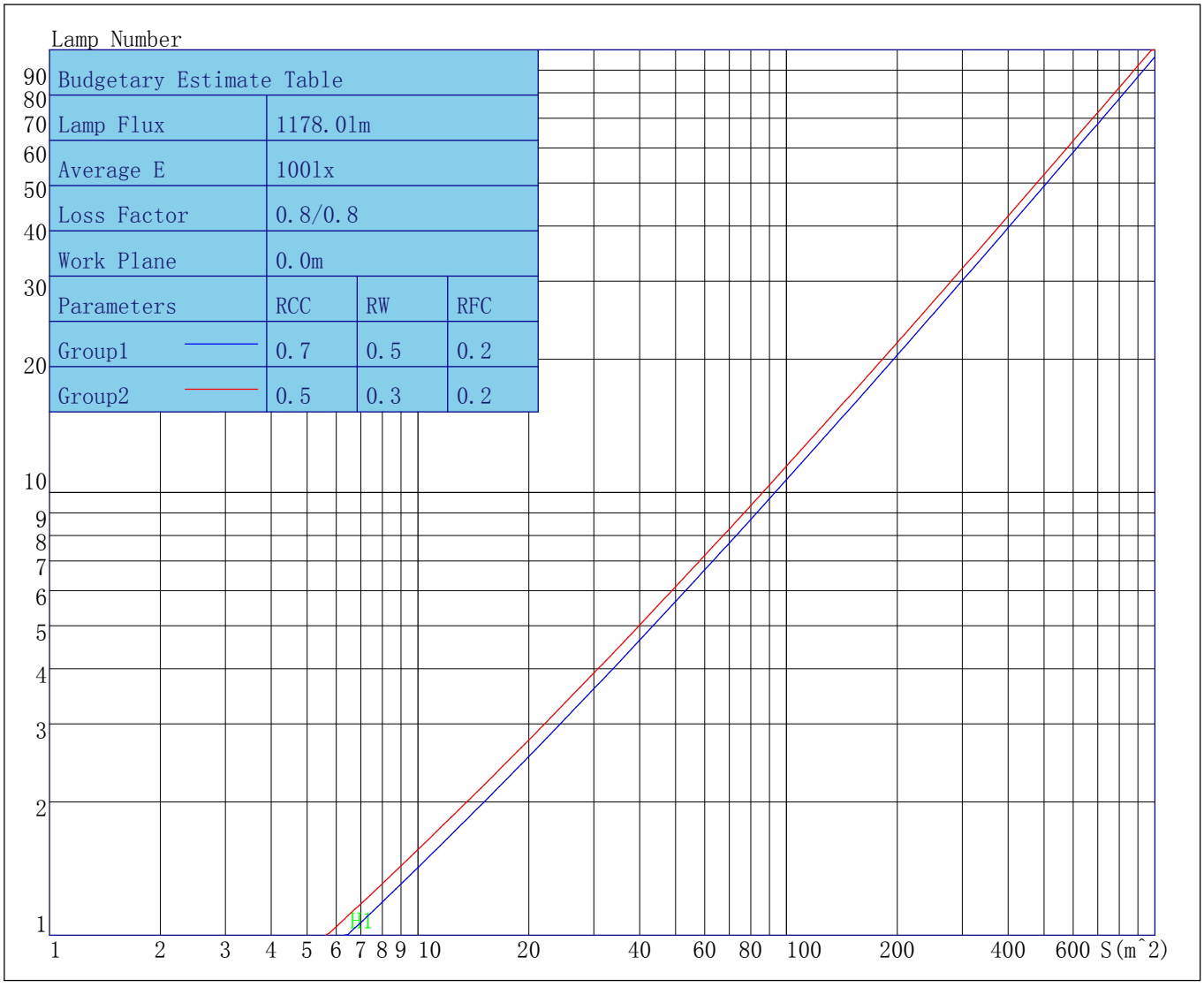
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: C90-C270 Color:

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Indoor Budgetary Estimate Table



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 EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Indoor Coefficient of Utilization Table

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	127	127	127	127	124	124	124	124	118	118	118	112	112	112	107	107	107	105
1	121	117	115	112	118	115	112	110	110	108	106	106	104	103	102	100	99	97
2	114	109	104	100	112	107	103	99	103	99	97	99	97	94	96	94	92	90
3	108	101	96	91	106	100	94	90	96	92	89	93	90	87	91	88	85	83
4	103	94	88	84	101	93	87	83	90	86	82	88	84	81	86	82	79	78
5	98	89	82	77	96	87	81	77	85	80	76	83	79	75	81	77	74	73
6	93	83	77	72	91	82	76	72	80	75	71	79	74	70	77	73	70	68
7	88	78	72	67	87	78	72	67	76	71	67	75	70	66	73	69	66	64
8	84	74	68	63	83	73	67	63	72	67	63	71	66	62	70	65	62	60
9	81	70	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57
10	77	67	61	57	76	66	60	57	65	60	56	64	59	56	63	59	56	54

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Unified Glare Rating Table

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	24.0	25.2	24.5	25.6	25.9	23.5	24.7	23.9	25.0	25.4
	Y=3H	24.0	25.1	24.4	25.4	25.9	23.5	24.5	23.9	24.9	25.3
	Y=4H	24.0	25.0	24.5	25.4	25.9	23.5	24.5	23.9	24.9	25.3
	Y=6H	24.1	25.0	24.6	25.4	25.9	23.5	24.5	24.0	24.9	25.3
	Y=8H	24.2	25.0	24.6	25.5	25.9	23.6	24.5	24.1	24.9	25.4
	Y=12H	24.3	25.1	24.8	25.5	26.0	23.7	24.5	24.2	25.0	25.4
X=4H	Y=2H	23.8	24.8	24.3	25.2	25.7	23.3	24.3	23.7	24.7	25.1
	Y=3H	23.9	24.7	24.3	25.2	25.6	23.3	24.2	23.8	24.6	25.1
	Y=4H	23.9	24.7	24.4	25.2	25.7	23.4	24.2	23.9	24.6	25.1
	Y=6H	24.1	24.8	24.6	25.3	25.8	23.6	24.2	24.1	24.7	25.2
	Y=8H	24.3	24.9	24.8	25.4	25.9	23.7	24.3	24.2	24.8	25.3
	Y=12H	24.5	25.0	25.0	25.6	26.1	23.9	24.5	24.4	25.0	25.5
X=8H	Y=4H	23.9	24.5	24.4	25.0	25.5	23.3	24.0	23.9	24.5	25.0
	Y=6H	24.2	24.7	24.7	25.2	25.9	23.6	24.2	24.1	24.7	25.3
	Y=8H	24.4	24.9	24.9	25.4	26.0	23.8	24.3	24.4	24.9	25.4
	Y=12H	24.7	25.2	25.3	25.7	26.4	24.1	24.6	24.7	25.1	25.8
X=12H	Y=4H	23.9	24.4	24.4	25.0	25.5	23.3	23.9	23.8	24.4	25.0
	Y=6H	24.2	24.7	24.7	25.2	25.8	23.6	24.1	24.2	24.6	25.2
	Y=8H	24.4	24.9	25.0	25.4	26.1	23.9	24.4	24.4	24.9	25.5
Variations with the objerver position at spacings											
S=1.0H		0.1/-0.1					0.1/-0.1				
S=1.5H		0.2/-0.2					0.2/-0.3				
S=2.0H		0.2/-0.3					0.3/-0.3				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		1.0					1.0				

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

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	3462.87	3462.87	3462.87	3462.87
γ 1.0	3452.36	3388.45	3384.35	3448.89
γ 2.0	3363.40	3248.43	3237.52	3359.11
γ 3.0	3206.80	3061.06	3036.27	3204.18
γ 4.0	3013.36	2837.79	2808.53	3007.80
γ 5.0	2790.50	2594.55	2559.65	2775.99
γ 6.0	2551.67	2347.08	2301.19	2534.88
γ 7.0	2306.93	2106.76	2056.13	2291.00
γ 8.0	2061.30	1884.45	1840.24	2058.31
γ 9.0	1843.12	1684.99	1658.41	1841.80
γ 10.0	1655.15	1508.00	1492.46	1643.15
γ 11.0	1482.84	1347.85	1338.49	1472.36
γ 12.0	1329.32	1212.39	1206.14	1324.45
γ 13.0	1199.18	1097.62	1099.25	1191.71
γ 14.0	1092.63	1004.38	1006.96	1085.26
γ 15.0	1002.90	922.20	930.28	996.63
γ 16.0	923.24	853.15	861.36	918.02
γ 17.0	852.83	793.51	801.31	850.41
γ 18.0	792.47	739.31	748.39	791.51
γ 19.0	741.14	692.71	701.68	739.38
γ 20.0	694.20	653.13	659.98	691.49
γ 21.0	653.37	616.97	623.34	650.93
γ 22.0	618.23	585.72	592.82	615.96
γ 23.0	587.36	559.22	565.33	584.71
γ 24.0	559.72	535.65	541.71	557.04
γ 25.0	536.68	515.96	521.19	532.68
γ 26.0	516.81	498.71	502.30	511.36
γ 27.0	499.59	481.76	486.82	492.20
γ 28.0	484.61	467.10	473.40	476.46
γ 29.0	470.13	454.49	462.47	462.68
γ 30.0	458.14	444.09	452.13	450.77
γ 31.0	446.33	433.78	441.94	439.18
γ 32.0	435.62	424.71	432.38	428.43
γ 33.0	426.33	414.47	421.49	419.35
γ 34.0	415.39	402.65	408.21	410.47
γ 35.0	406.66	389.49	394.13	398.16
γ 36.0	394.88	372.70	376.93	387.24
γ 37.0	380.30	351.22	353.37	373.69
γ 38.0	359.80	326.98	327.21	354.87
γ 39.0	337.32	301.10	299.35	332.30
γ 40.0	310.61	274.17	268.77	305.77
γ 41.0	281.92	245.04	240.33	279.15
γ 42.0	253.32	216.09	208.86	250.71
γ 43.0	223.21	187.12	180.08	220.93
γ 44.0	193.16	158.66	149.53	191.76
γ 45.0	162.33	130.33	122.73	162.78
γ 46.0	132.44	104.59	97.74	135.04

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	104.01	82.92	77.19	107.61
γ 48.0	79.83	66.22	61.96	85.21
γ 49.0	63.24	54.73	51.19	66.24
γ 50.0	51.50	47.85	44.41	53.19
γ 51.0	44.56	41.48	39.28	44.17
γ 52.0	37.69	35.71	34.26	38.47
γ 53.0	32.78	31.59	30.65	32.96
γ 54.0	29.46	28.44	27.93	29.17
γ 55.0	26.97	26.01	25.64	26.37
γ 56.0	24.87	23.89	23.62	24.20
γ 57.0	23.05	22.03	21.80	22.27
γ 58.0	21.49	20.45	20.18	20.52
γ 59.0	20.18	19.06	18.62	19.03
γ 60.0	19.01	17.79	17.22	17.72
γ 61.0	18.08	16.69	16.08	16.57
γ 62.0	17.18	15.75	15.08	15.63
γ 63.0	16.37	14.88	14.18	14.79
γ 64.0	15.59	14.08	13.39	14.04
γ 65.0	14.93	13.36	12.68	13.35
γ 66.0	14.30	12.73	12.07	12.74
γ 67.0	13.70	12.13	11.57	12.19
γ 68.0	13.15	11.60	11.14	11.75
γ 69.0	12.61	11.10	10.77	11.32
γ 70.0	12.09	10.66	10.41	10.95
γ 71.0	11.61	10.22	10.07	10.59
γ 72.0	11.10	9.81	9.78	10.27
γ 73.0	10.66	9.41	9.46	9.95
γ 74.0	10.25	9.05	9.16	9.64
γ 75.0	9.86	8.69	8.86	9.35
γ 76.0	9.47	8.35	8.58	9.05
γ 77.0	9.10	8.01	8.29	8.75
γ 78.0	8.75	7.69	8.02	8.45
γ 79.0	8.41	7.38	7.76	8.14
γ 80.0	8.10	7.12	7.51	7.85
γ 81.0	7.80	6.86	7.25	7.55
γ 82.0	7.55	6.68	6.97	7.25
γ 83.0	7.30	6.45	6.70	6.95
γ 84.0	7.03	6.19	6.41	6.68
γ 85.0	6.72	5.75	6.19	6.42
γ 86.0	6.26	5.33	5.88	6.13
γ 87.0	5.86	4.95	5.51	5.80
γ 88.0	5.46	4.39	4.88	5.45
γ 89.0	4.92	3.76	4.16	4.99
γ 90.0	4.42	3.51	3.78	4.56
γ 91.0	4.26	3.42	3.66	4.36
γ 92.0	4.13	3.33	3.55	4.23
γ 93.0	4.02	3.24	3.43	4.09

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.91	3.15	3.33	3.97
γ 95.0	3.81	3.08	3.25	3.85
γ 96.0	3.71	3.01	3.16	3.73
γ 97.0	3.63	2.95	3.08	3.64
γ 98.0	3.55	2.89	3.02	3.54
γ 99.0	3.47	2.84	2.96	3.46
γ 100.0	3.40	2.80	2.91	3.39
γ 101.0	3.35	2.76	2.87	3.32
γ 102.0	3.29	2.73	2.84	3.26
γ 103.0	3.24	2.70	2.81	3.22
γ 104.0	3.20	2.68	2.79	3.18
γ 105.0	3.17	2.66	2.77	3.13
γ 106.0	3.14	2.65	2.78	3.11
γ 107.0	3.12	2.65	2.77	3.09
γ 108.0	3.10	2.66	2.78	3.08
γ 109.0	3.09	2.65	2.78	3.07
γ 110.0	3.07	2.65	2.80	3.06
γ 111.0	3.06	2.66	2.81	3.08
γ 112.0	3.06	2.67	2.83	3.08
γ 113.0	3.06	2.66	2.86	3.09
γ 114.0	3.07	2.68	2.90	3.10
γ 115.0	3.07	2.68	2.92	3.13
γ 116.0	3.07	2.70	2.97	3.14
γ 117.0	3.07	2.73	3.01	3.17
γ 118.0	3.08	2.74	3.06	3.21
γ 119.0	3.10	2.77	3.11	3.24
γ 120.0	3.12	2.81	3.16	3.28
γ 121.0	3.14	2.85	3.22	3.33
γ 122.0	3.18	2.90	3.28	3.38
γ 123.0	3.21	2.96	3.35	3.43
γ 124.0	3.25	3.01	3.43	3.48
γ 125.0	3.31	3.08	3.49	3.54
γ 126.0	3.37	3.14	3.59	3.60
γ 127.0	3.42	3.23	3.66	3.67
γ 128.0	3.51	3.31	3.75	3.74
γ 129.0	3.58	3.39	3.85	3.81
γ 130.0	3.67	3.50	3.96	3.90
γ 131.0	3.75	3.61	4.07	3.99
γ 132.0	3.85	3.72	4.20	4.09
γ 133.0	3.95	3.84	4.32	4.18
γ 134.0	4.06	3.96	4.46	4.31
γ 135.0	4.19	4.09	4.61	4.43
γ 136.0	4.32	4.24	4.76	4.57
γ 137.0	4.45	4.40	4.92	4.71
γ 138.0	4.59	4.54	5.09	4.86
γ 139.0	4.74	4.70	5.24	5.01
γ 140.0	4.90	4.86	5.42	5.16

IES EQUIVALENT
Photometric Filename:KA13R15BTC.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	5.05	5.03	5.59	5.34
γ 142.0	5.20	5.18	5.76	5.50
γ 143.0	5.36	5.34	5.93	5.65
γ 144.0	5.53	5.51	6.09	5.84
γ 145.0	5.69	5.67	6.25	5.98
γ 146.0	5.84	5.82	6.39	6.14
γ 147.0	5.99	5.97	6.54	6.26
γ 148.0	6.14	6.11	6.66	6.41
γ 149.0	6.30	6.25	6.78	6.53
γ 150.0	6.42	6.38	6.91	6.66
γ 151.0	6.56	6.51	7.02	6.76
γ 152.0	6.68	6.62	7.13	6.86
γ 153.0	6.80	6.73	7.23	6.97
γ 154.0	6.92	6.83	7.34	7.05
γ 155.0	7.03	6.93	7.43	7.14
γ 156.0	7.13	7.03	7.54	7.23
γ 157.0	7.24	7.12	7.63	7.30
γ 158.0	7.34	7.20	7.73	7.39
γ 159.0	7.44	7.29	7.82	7.46
γ 160.0	7.54	7.39	7.89	7.54
γ 161.0	7.63	7.47	7.98	7.61
γ 162.0	7.72	7.56	8.06	7.68
γ 163.0	7.80	7.65	8.14	7.75
γ 164.0	7.89	7.74	8.19	7.83
γ 165.0	7.97	7.83	8.26	7.88
γ 166.0	8.06	7.91	8.31	7.97
γ 167.0	8.14	7.99	8.37	8.03
γ 168.0	8.21	8.06	8.44	8.09
γ 169.0	8.27	8.13	8.48	8.15
γ 170.0	8.32	8.19	8.51	8.20
γ 171.0	8.37	8.24	8.54	8.25
γ 172.0	8.41	8.27	8.57	8.29
γ 173.0	8.45	8.31	8.58	8.32
γ 174.0	8.48	8.33	8.61	8.34
γ 175.0	8.50	8.35	8.62	8.36
γ 176.0	8.50	8.36	8.62	8.38
γ 177.0	8.51	8.38	8.61	8.38
γ 178.0	8.51	8.40	8.62	8.41
γ 179.0	8.51	8.41	8.64	8.42
γ 180.0	8.53	8.53	8.53	8.53