

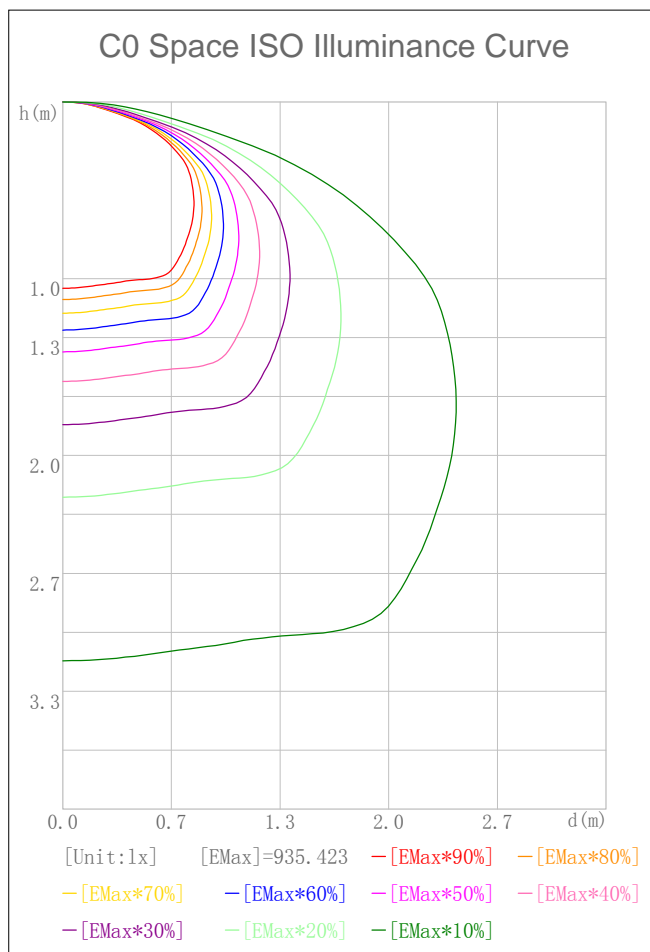
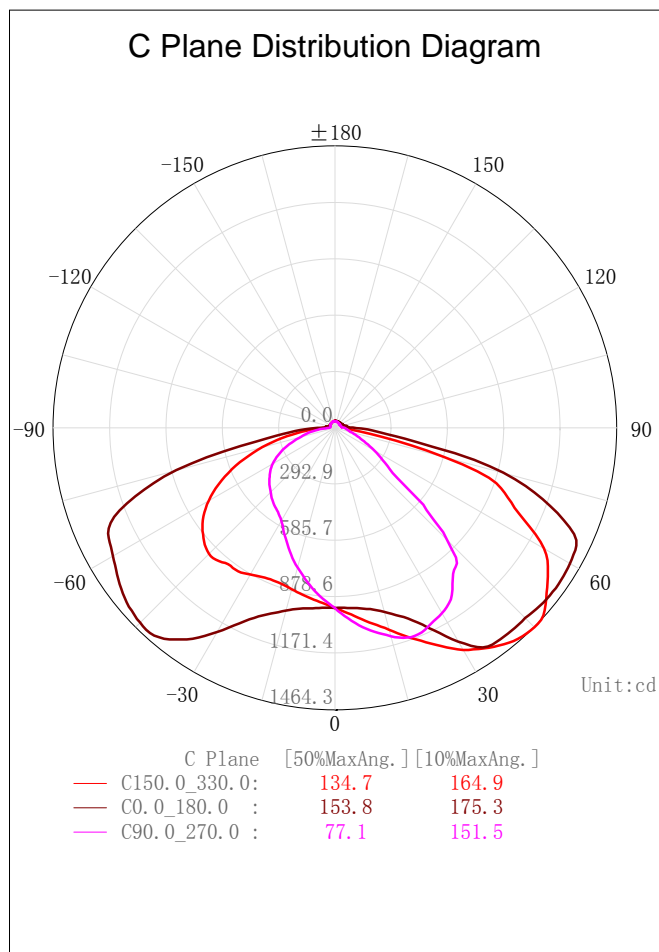
Road Luminaire Photometric Data

Description Information

Luminary Name: 12V 30W		Lum. Catalog:	Test ID: 001
Lamp Name: COB		Lamp Catalog: LED	Test Date: 2017/07/31
Manufacture:		Shld. Ang(°):	Test Machine:GON-2000
Test Lab: IES		Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H):		Lum. Area (m2): 0.019	Lum. W (kg): 1.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%):

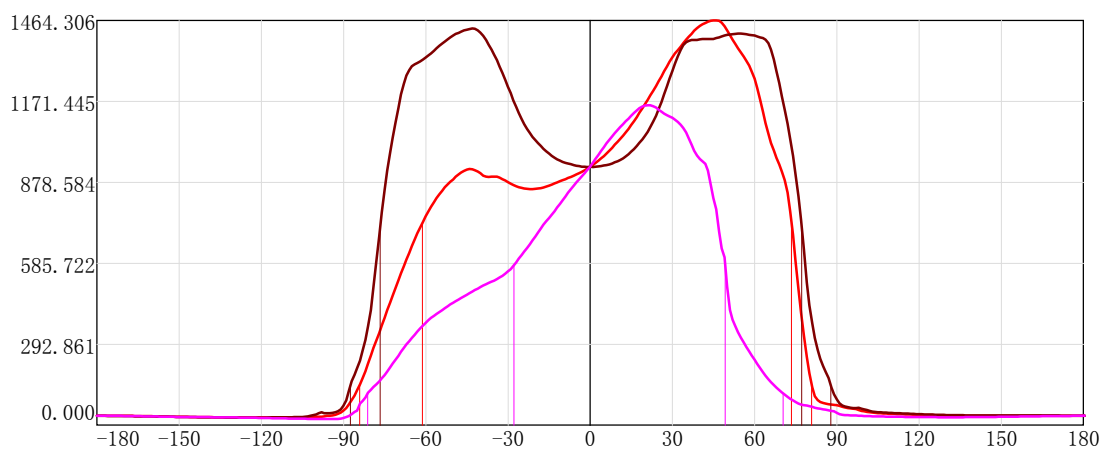
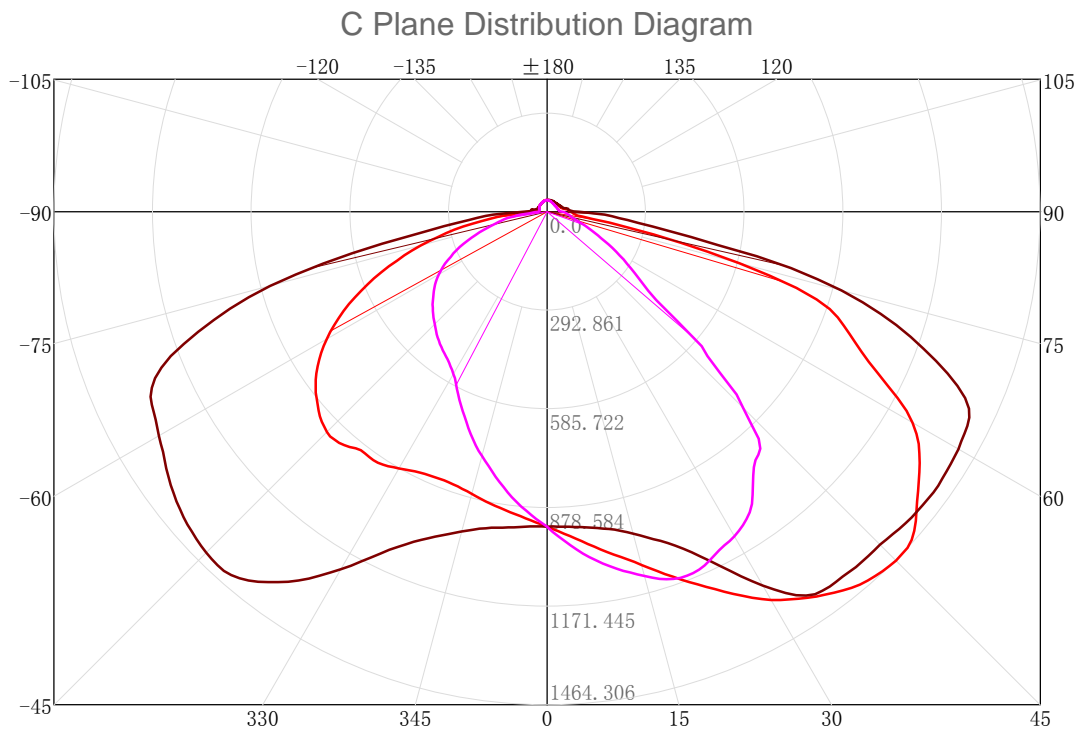
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 4329.330	Luminary Flux(lm): 4329.325	Down Lumens&Percent: 4112.977lm 95.00%	
Rated Power(W):	Luminary Efficiency: 100.00%	Up Lumens&Percent: 216.348lm 5.00%	
Rated Voltage(V):	Luminary EER(lm/W): 143.403	76° Flash Area(m2):	
Tested Power(W): 30.190	Max. Candela(cd): 1464.306	SLI: 0.000	
Lamps' Inside: 1	Max Cand@Ang. (°): C=150.0 γ=45.0	IES Classification: Type II	
Tested Electrics(V, A, pf): 12.5, 2.418	Half Peak Angle(°): L=-61.2, R=73.5	Longitudinal Classfct: Short	
Lamp Size (W*L*H): 0.120m*0.155m*0.000m	Field Angle(10%Imax): 164.9(°)	Cutoff Classification: Semicutoff	



2D Plane Light Intensity Distribution Curve

Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31

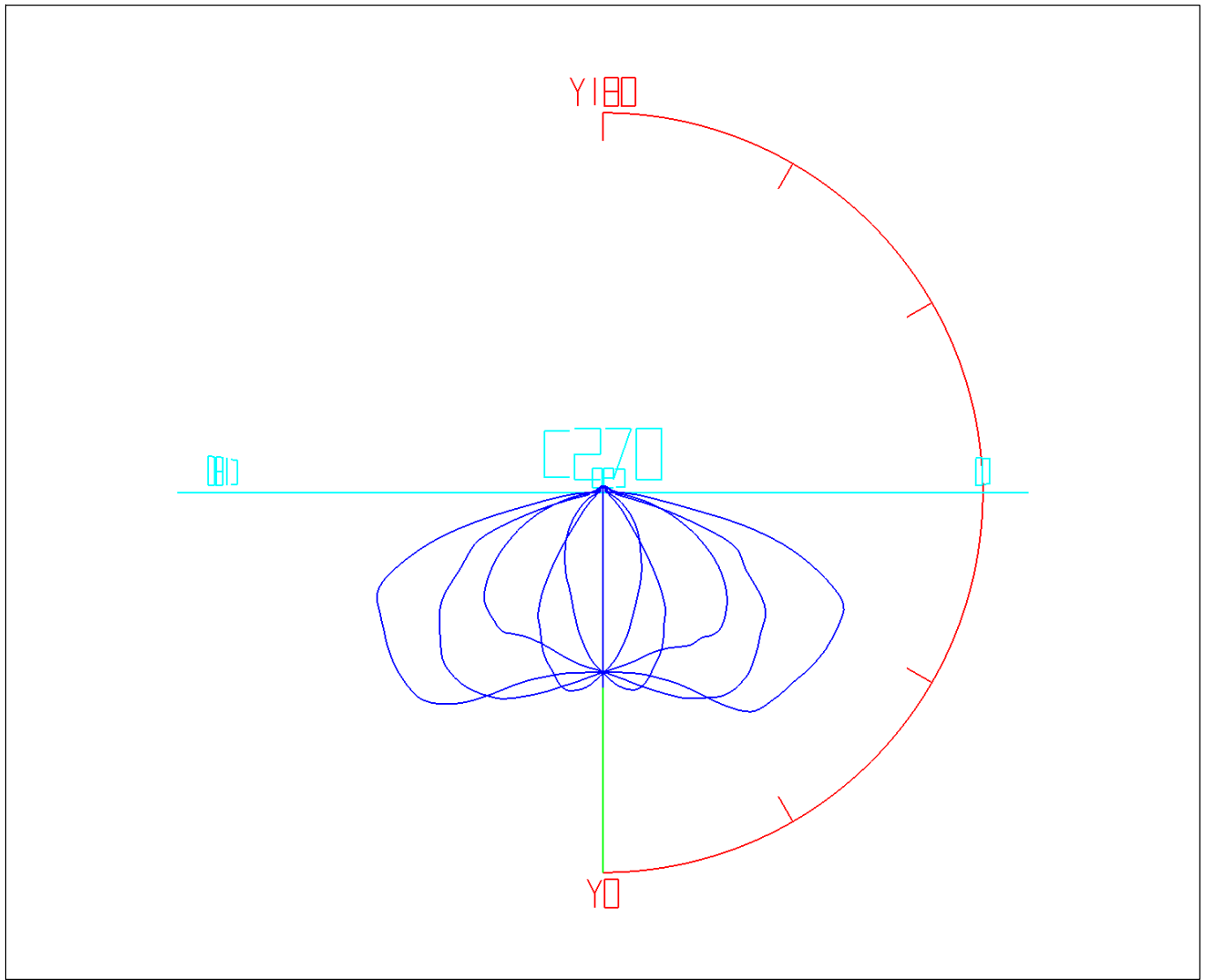


	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C150.0_330.0:	134.7	164.9	
—	C0.0_180.0 :	153.8	175.3	
—	C90.0_270.0 :	77.1	151.5	

3D Light Intensity Distribution Modal

Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31

3D Light Intensity Distribution Modal



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

IES Road Report
Photometric Filename:12V 30W.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	0.90	0.90	0.02	0.02	47.0-48.0	78.35	2079.78	1.81	48.04
1.0-2.0	2.69	3.58	0.06	0.08	48.0-49.0	78.41	2158.18	1.81	49.85
2.0-3.0	4.48	8.07	0.10	0.19	49.0-50.0	78.13	2236.32	1.80	51.66
3.0-4.0	6.29	14.35	0.15	0.33	50.0-51.0	77.45	2313.76	1.79	53.44
4.0-5.0	8.09	22.45	0.19	0.52	51.0-52.0	76.75	2390.51	1.77	55.22
5.0-6.0	9.91	32.35	0.23	0.75	52.0-53.0	76.15	2466.67	1.76	56.98
6.0-7.0	11.73	44.08	0.27	1.02	53.0-54.0	75.54	2542.21	1.74	58.72
7.0-8.0	13.55	57.63	0.31	1.33	54.0-55.0	74.84	2617.05	1.73	60.45
8.0-9.0	15.37	73.00	0.36	1.69	55.0-56.0	74.04	2691.09	1.71	62.16
9.0-10.0	17.20	90.20	0.40	2.08	56.0-57.0	73.22	2764.31	1.69	63.85
10.0-11.0	19.03	109.23	0.44	2.52	57.0-58.0	72.31	2836.62	1.67	65.52
11.0-12.0	20.86	130.09	0.48	3.00	58.0-59.0	71.28	2907.89	1.65	67.17
12.0-13.0	22.69	152.78	0.52	3.53	59.0-60.0	70.19	2978.08	1.62	68.79
13.0-14.0	24.54	177.32	0.57	4.10	60.0-61.0	69.08	3047.16	1.60	70.38
14.0-15.0	26.39	203.71	0.61	4.71	61.0-62.0	67.89	3115.05	1.57	71.95
15.0-16.0	28.26	231.97	0.65	5.36	62.0-63.0	66.65	3181.71	1.54	73.49
16.0-17.0	30.14	262.12	0.70	6.05	63.0-64.0	65.38	3247.09	1.51	75.00
17.0-18.0	32.03	294.15	0.74	6.79	64.0-65.0	64.04	3311.13	1.48	76.48
18.0-19.0	33.92	328.06	0.78	7.58	65.0-66.0	62.65	3373.78	1.45	77.93
19.0-20.0	35.79	363.85	0.83	8.40	66.0-67.0	61.20	3434.98	1.41	79.34
20.0-21.0	37.66	401.52	0.87	9.27	67.0-68.0	59.63	3494.61	1.38	80.72
21.0-22.0	39.53	441.04	0.91	10.19	68.0-69.0	57.91	3552.52	1.34	82.06
22.0-23.0	41.39	482.43	0.96	11.14	69.0-70.0	56.00	3608.52	1.29	83.35
23.0-24.0	43.25	525.69	1.00	12.14	70.0-71.0	53.81	3662.33	1.24	84.59
24.0-25.0	45.12	570.81	1.04	13.18	71.0-72.0	51.24	3713.57	1.18	85.78
25.0-26.0	46.99	617.80	1.09	14.27	72.0-73.0	48.22	3761.79	1.11	86.89
26.0-27.0	48.87	666.67	1.13	15.40	73.0-74.0	44.80	3806.60	1.03	87.93
27.0-28.0	50.75	717.43	1.17	16.57	74.0-75.0	41.12	3847.72	0.95	88.88
28.0-29.0	52.66	770.08	1.22	17.79	75.0-76.0	37.32	3885.03	0.86	89.74
29.0-30.0	54.57	824.65	1.26	19.05	76.0-77.0	33.43	3918.46	0.77	90.51
30.0-31.0	56.49	881.14	1.30	20.35	77.0-78.0	29.48	3947.94	0.68	91.19
31.0-32.0	58.42	939.56	1.35	21.70	78.0-79.0	25.52	3973.47	0.59	91.78
32.0-33.0	60.34	999.90	1.39	23.10	79.0-80.0	21.98	3995.45	0.51	92.29
33.0-34.0	62.22	1062.12	1.44	24.53	80.0-81.0	19.05	4014.50	0.44	92.73
34.0-35.0	64.01	1126.13	1.48	26.01	81.0-82.0	16.59	4031.09	0.38	93.11
35.0-36.0	65.68	1191.81	1.52	27.53	82.0-83.0	14.63	4045.73	0.34	93.45
36.0-37.0	67.26	1259.07	1.55	29.08	83.0-84.0	13.09	4058.81	0.30	93.75
37.0-38.0	68.78	1327.85	1.59	30.67	84.0-85.0	11.75	4070.56	0.27	94.02
38.0-39.0	70.25	1398.10	1.62	32.29	85.0-86.0	10.58	4081.15	0.24	94.27
39.0-40.0	71.65	1469.75	1.65	33.95	86.0-87.0	9.54	4090.69	0.22	94.49
40.0-41.0	72.99	1542.74	1.69	35.63	87.0-88.0	8.42	4099.11	0.19	94.68
41.0-42.0	74.25	1616.99	1.71	37.35	88.0-89.0	7.34	4106.46	0.17	94.85
42.0-43.0	75.35	1692.34	1.74	39.09	89.0-90.0	6.52	4112.98	0.15	95.00
43.0-44.0	76.22	1768.56	1.76	40.85	90.0-91.0	5.91	4118.89	0.14	95.14
44.0-45.0	76.97	1845.53	1.78	42.63	91.0-92.0	5.47	4124.35	0.13	95.27
45.0-46.0	77.70	1923.23	1.79	44.42	92.0-93.0	5.16	4129.52	0.12	95.38
46.0-47.0	78.20	2001.43	1.81	46.23	93.0-94.0	4.94	4134.45	0.11	95.50

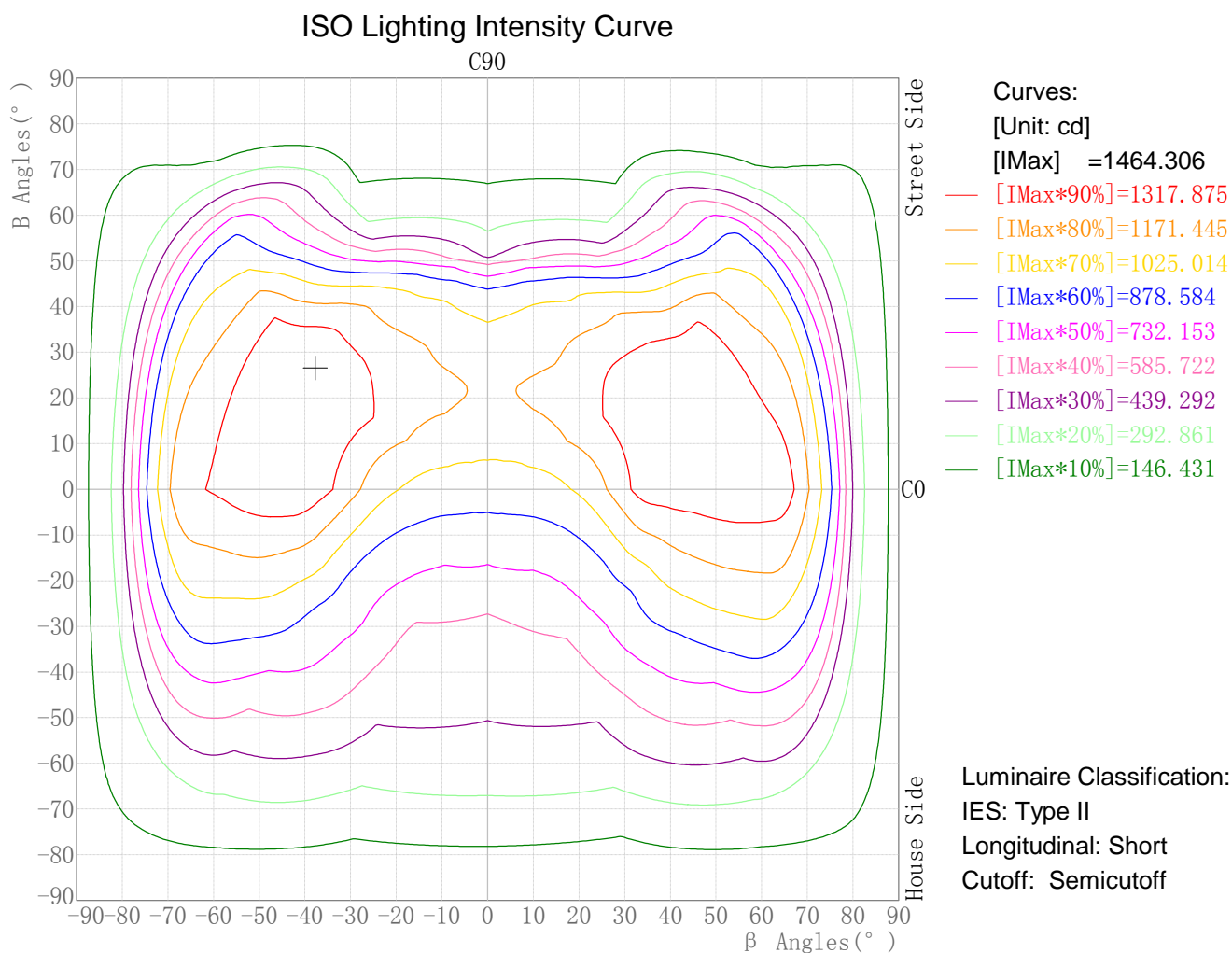
IES Road Report
Photometric Filename:12V 30W.IES

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	4.76	4139.22	0.11	95.61	141.0-142.0	2.14	4285.69	0.05	98.99
95.0-96.0	4.62	4143.84	0.11	95.72	142.0-143.0	2.10	4287.79	0.05	99.04
96.0-97.0	4.48	4148.31	0.10	95.82	143.0-144.0	2.06	4289.85	0.05	99.09
97.0-98.0	4.35	4152.66	0.10	95.92	144.0-145.0	2.02	4291.87	0.05	99.13
98.0-99.0	4.21	4156.87	0.10	96.02	145.0-146.0	1.97	4293.84	0.05	99.18
99.0-100.0	4.06	4160.93	0.09	96.11	146.0-147.0	1.93	4295.77	0.04	99.22
100.0-101.0	3.95	4164.88	0.09	96.20	147.0-148.0	1.88	4297.65	0.04	99.27
101.0-102.0	3.84	4168.72	0.09	96.29	148.0-149.0	1.83	4299.48	0.04	99.31
102.0-103.0	3.74	4172.47	0.09	96.38	149.0-150.0	1.79	4301.27	0.04	99.35
103.0-104.0	3.66	4176.13	0.08	96.46	150.0-151.0	1.74	4303.01	0.04	99.39
104.0-105.0	3.60	4179.74	0.08	96.54	151.0-152.0	1.69	4304.70	0.04	99.43
105.0-106.0	3.56	4183.29	0.08	96.63	152.0-153.0	1.64	4306.35	0.04	99.47
106.0-107.0	3.52	4186.81	0.08	96.71	153.0-154.0	1.59	4307.94	0.04	99.51
107.0-108.0	3.48	4190.29	0.08	96.79	154.0-155.0	1.54	4309.49	0.04	99.54
108.0-109.0	3.44	4193.73	0.08	96.87	155.0-156.0	1.49	4310.98	0.03	99.58
109.0-110.0	3.41	4197.14	0.08	96.95	156.0-157.0	1.44	4312.42	0.03	99.61
110.0-111.0	3.37	4200.51	0.08	97.02	157.0-158.0	1.39	4313.81	0.03	99.64
111.0-112.0	3.33	4203.84	0.08	97.10	158.0-159.0	1.33	4315.14	0.03	99.67
112.0-113.0	3.29	4207.13	0.08	97.18	159.0-160.0	1.28	4316.42	0.03	99.70
113.0-114.0	3.25	4210.39	0.08	97.25	160.0-161.0	1.22	4317.64	0.03	99.73
114.0-115.0	3.22	4213.60	0.07	97.33	161.0-162.0	1.17	4318.81	0.03	99.76
115.0-116.0	3.18	4216.78	0.07	97.40	162.0-163.0	1.11	4319.92	0.03	99.78
116.0-117.0	3.14	4219.92	0.07	97.47	163.0-164.0	1.05	4320.97	0.02	99.81
117.0-118.0	3.10	4223.02	0.07	97.54	164.0-165.0	0.99	4321.97	0.02	99.83
118.0-119.0	3.06	4226.09	0.07	97.62	165.0-166.0	0.93	4322.90	0.02	99.85
119.0-120.0	3.03	4229.11	0.07	97.69	166.0-167.0	0.87	4323.77	0.02	99.87
120.0-121.0	2.99	4232.10	0.07	97.75	167.0-168.0	0.81	4324.59	0.02	99.89
121.0-122.0	2.95	4235.05	0.07	97.82	168.0-169.0	0.75	4325.33	0.02	99.91
122.0-123.0	2.91	4237.96	0.07	97.89	169.0-170.0	0.69	4326.02	0.02	99.92
123.0-124.0	2.87	4240.83	0.07	97.96	170.0-171.0	0.62	4326.65	0.01	99.94
124.0-125.0	2.83	4243.66	0.07	98.02	171.0-172.0	0.56	4327.20	0.01	99.95
125.0-126.0	2.79	4246.45	0.06	98.09	172.0-173.0	0.50	4327.70	0.01	99.96
126.0-127.0	2.75	4249.21	0.06	98.15	173.0-174.0	0.43	4328.13	0.01	99.97
127.0-128.0	2.71	4251.92	0.06	98.21	174.0-175.0	0.36	4328.49	0.01	99.98
128.0-129.0	2.68	4254.60	0.06	98.27	175.0-176.0	0.30	4328.79	0.01	99.99
129.0-130.0	2.64	4257.23	0.06	98.33	176.0-177.0	0.23	4329.03	0.01	99.99
130.0-131.0	2.60	4259.83	0.06	98.39	177.0-178.0	0.17	4329.19	0.00	100.00
131.0-132.0	2.56	4262.39	0.06	98.45	178.0-179.0	0.10	4329.29	0.00	100.00
132.0-133.0	2.51	4264.90	0.06	98.51	179.0-180.0	0.03	4329.33	0.00	100.00
133.0-134.0	2.47	4267.37	0.06	98.57					
134.0-135.0	2.43	4269.81	0.06	98.63					
135.0-136.0	2.39	4272.20	0.06	98.68					
136.0-137.0	2.35	4274.55	0.05	98.73					
137.0-138.0	2.31	4276.86	0.05	98.79					
138.0-139.0	2.27	4279.13	0.05	98.84					
139.0-140.0	2.23	4281.36	0.05	98.89					
140.0-141.0	2.19	4283.55	0.05	98.94					

Rectangle ISO Lighting Intensity Diagram

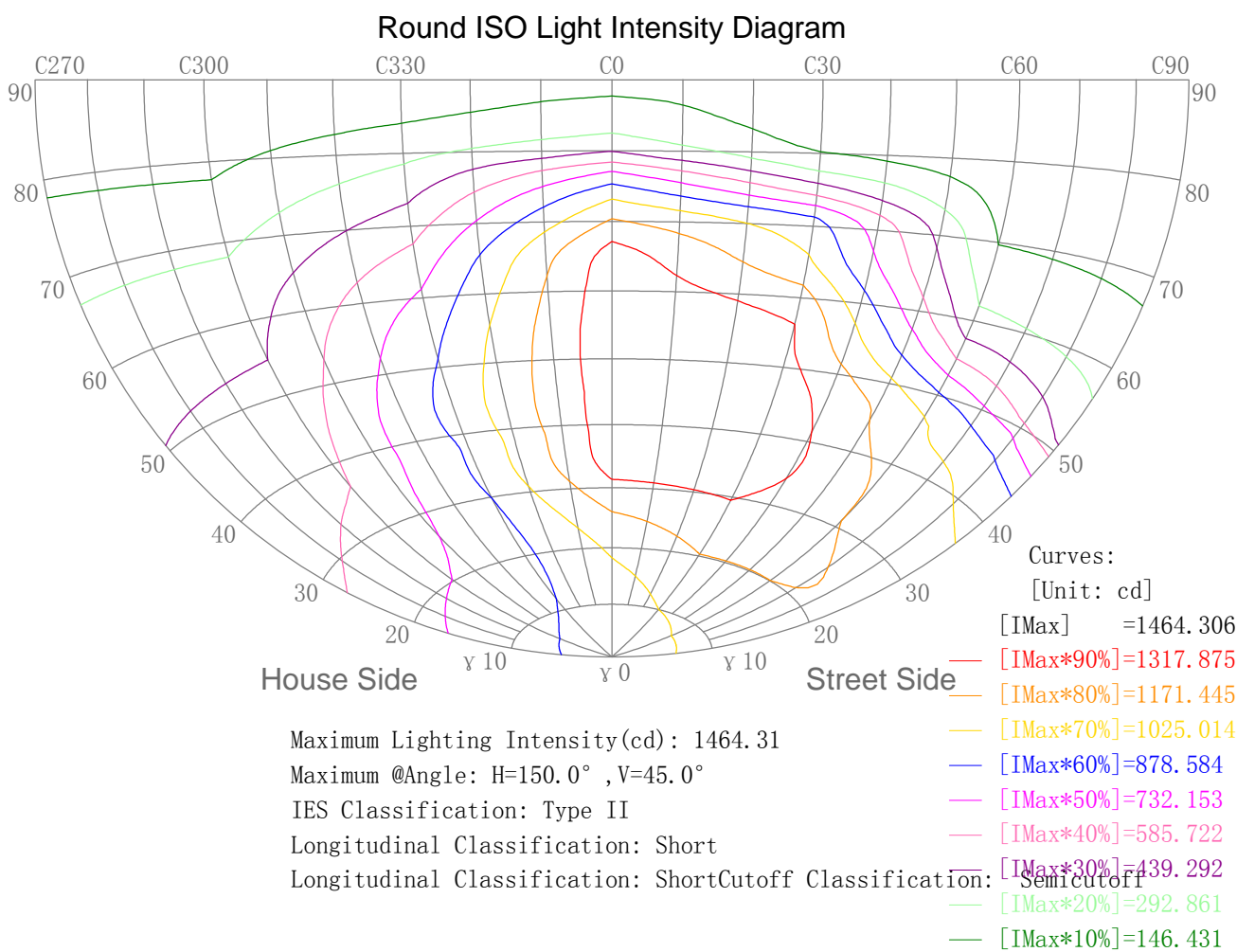
Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31



Maximum Light Intensity(cd): 1464.31
Maximum Cand.@Angle: H=-37.8°;V=26.6°

Round ISO Lighting Intensity Diagram

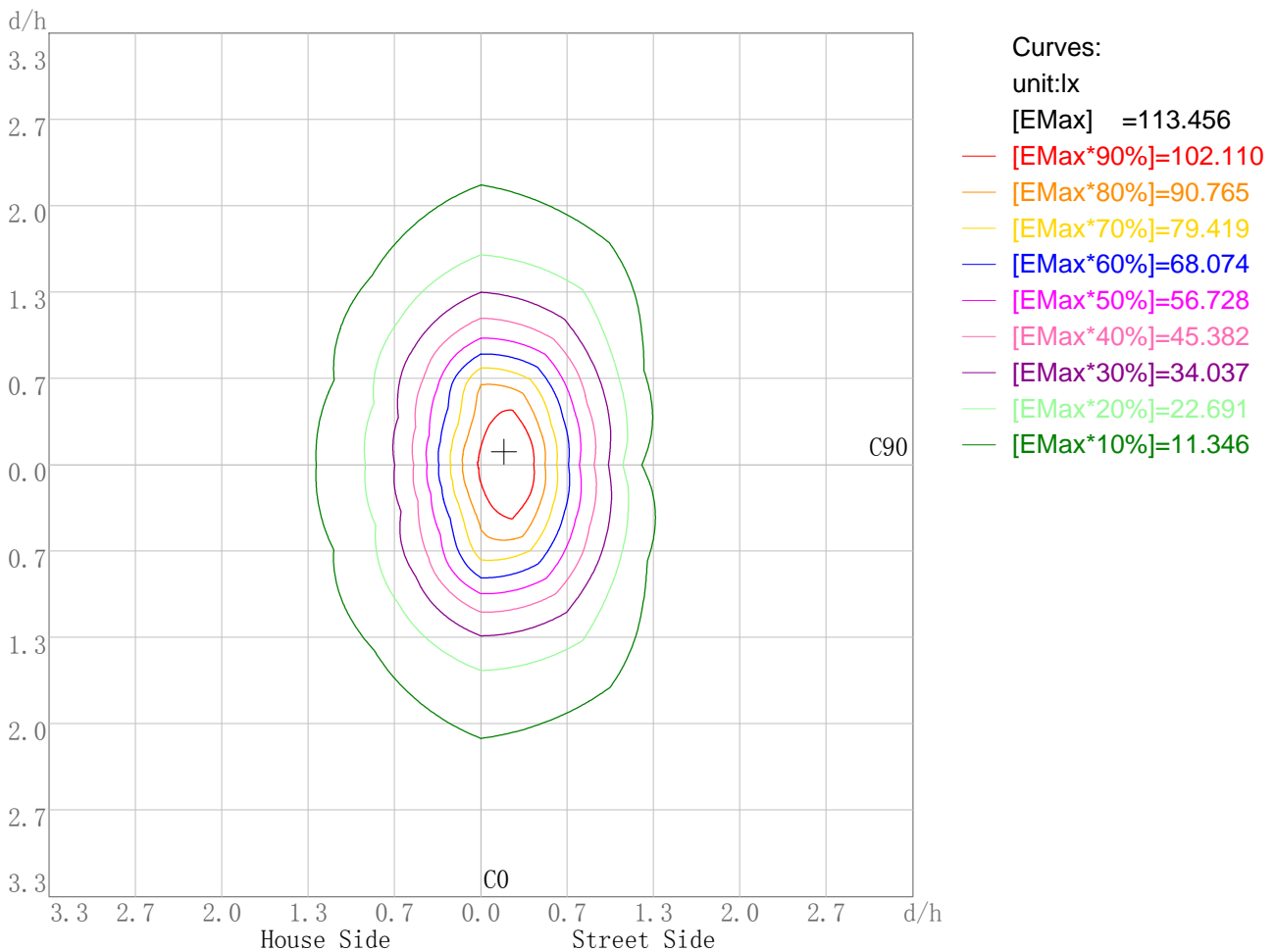
Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31



Plane ISO-Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31

Plane ISO-Illuminance Curve

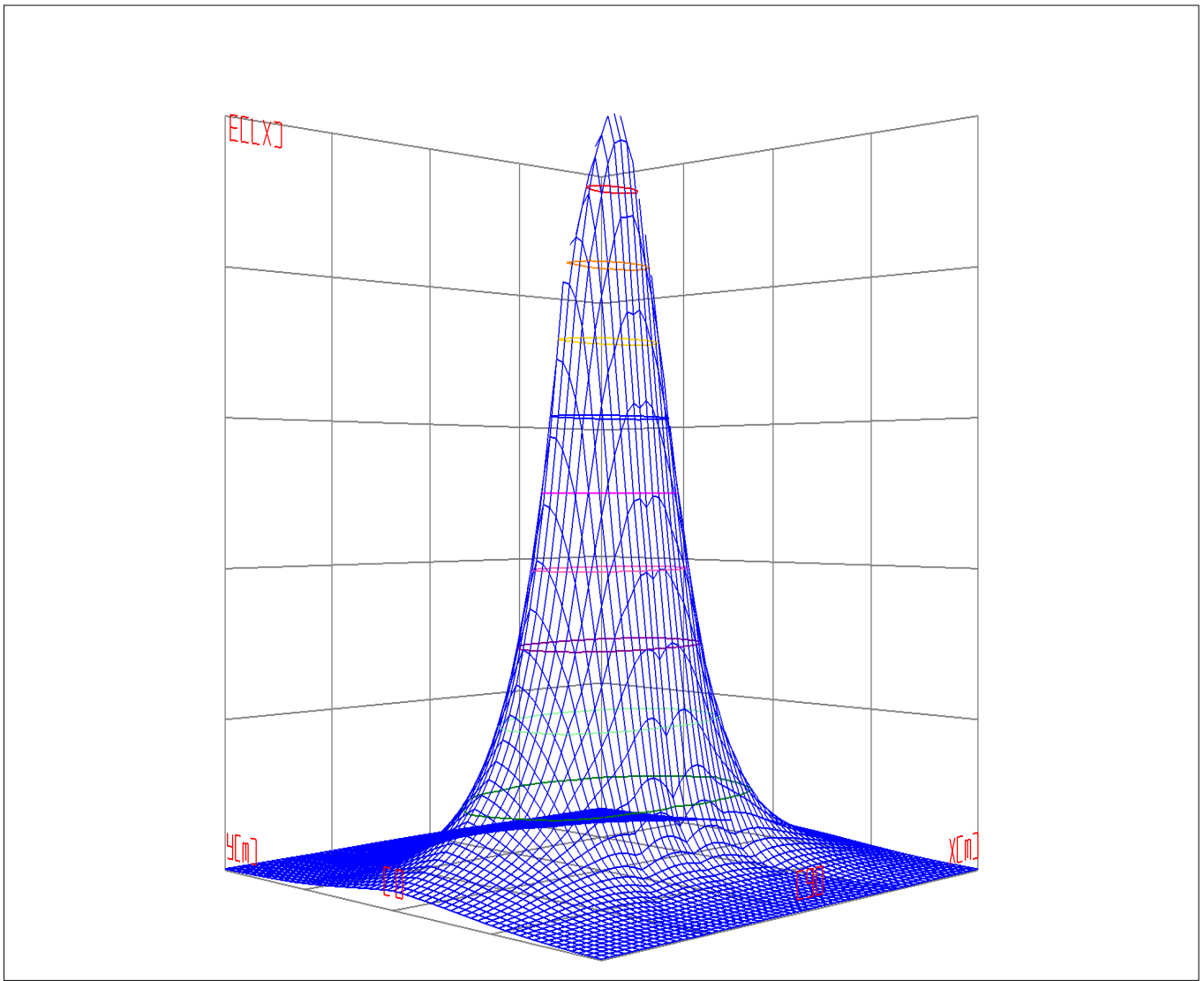


Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 113.46
Working Plane Maximum Illuminance Position(d/h):H0.2 V-0.1

3D Plane ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31

3D Plane Illuminance Modal

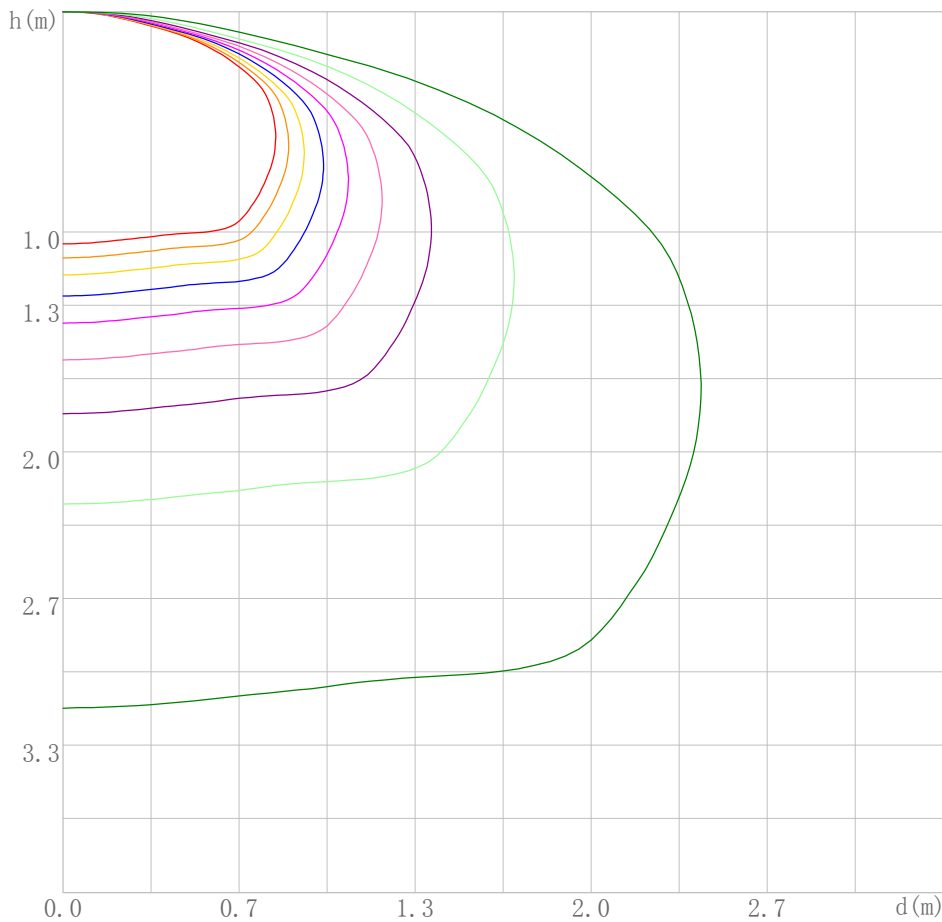


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31

Space ISO Illuminance Curve



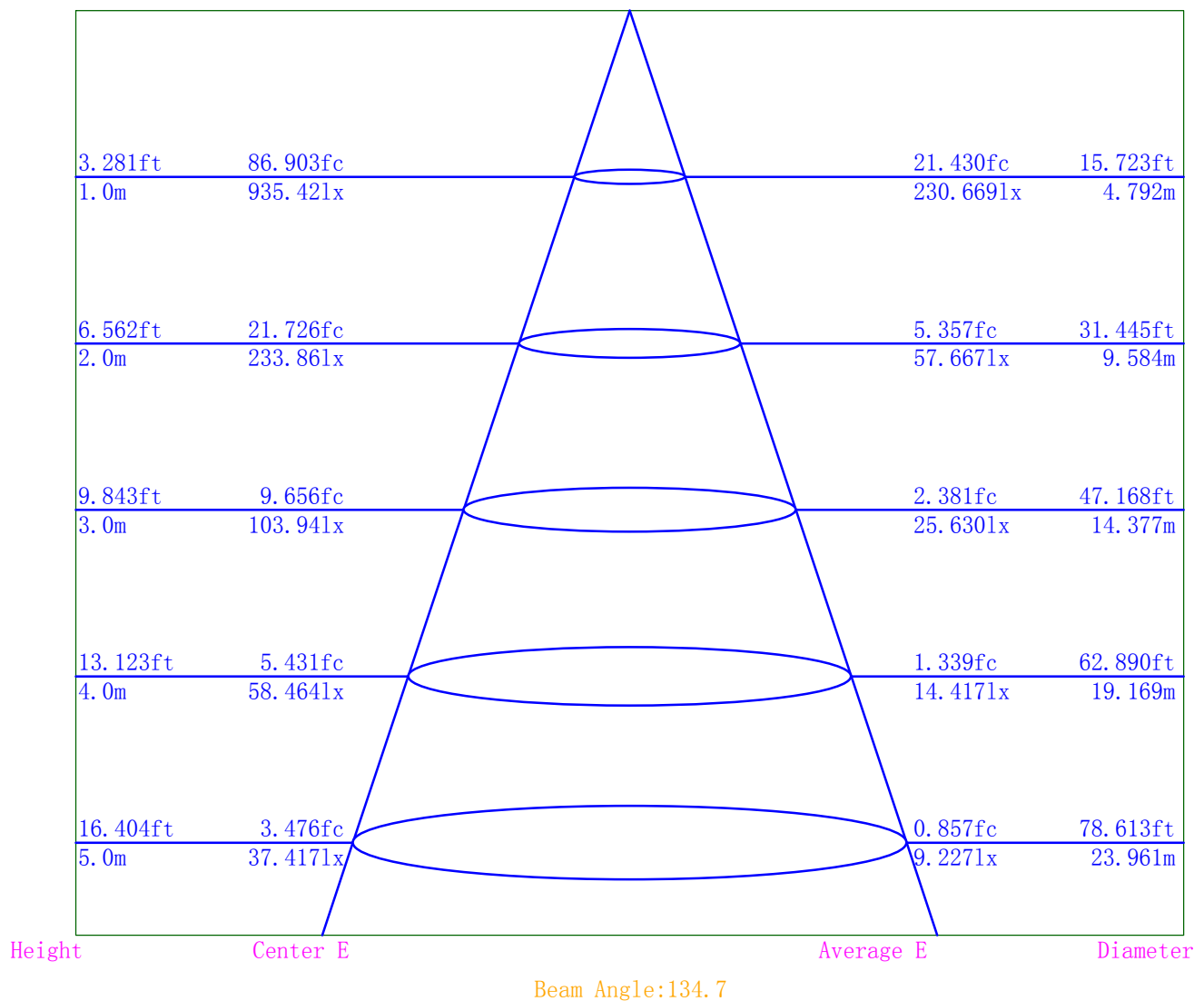
- Curves:
 [Unit: lx]
 [EMax] =935.423
- [EMax*90%]=841.881
 - [EMax*80%]=748.338
 - [EMax*70%]=654.796
 - [EMax*60%]=561.254
 - [EMax*50%]=467.711
 - [EMax*40%]=374.169
 - [EMax*30%]=280.627
 - [EMax*20%]=187.085
 - [EMax*10%]=93.542

Space Plane Maximum Illuminance and @Angle:935.42lx,0.0deg
 Plane Maximum Lighting Intensity and @Angle:1417.398cd,0deg

Illuminance-Distance Diagram

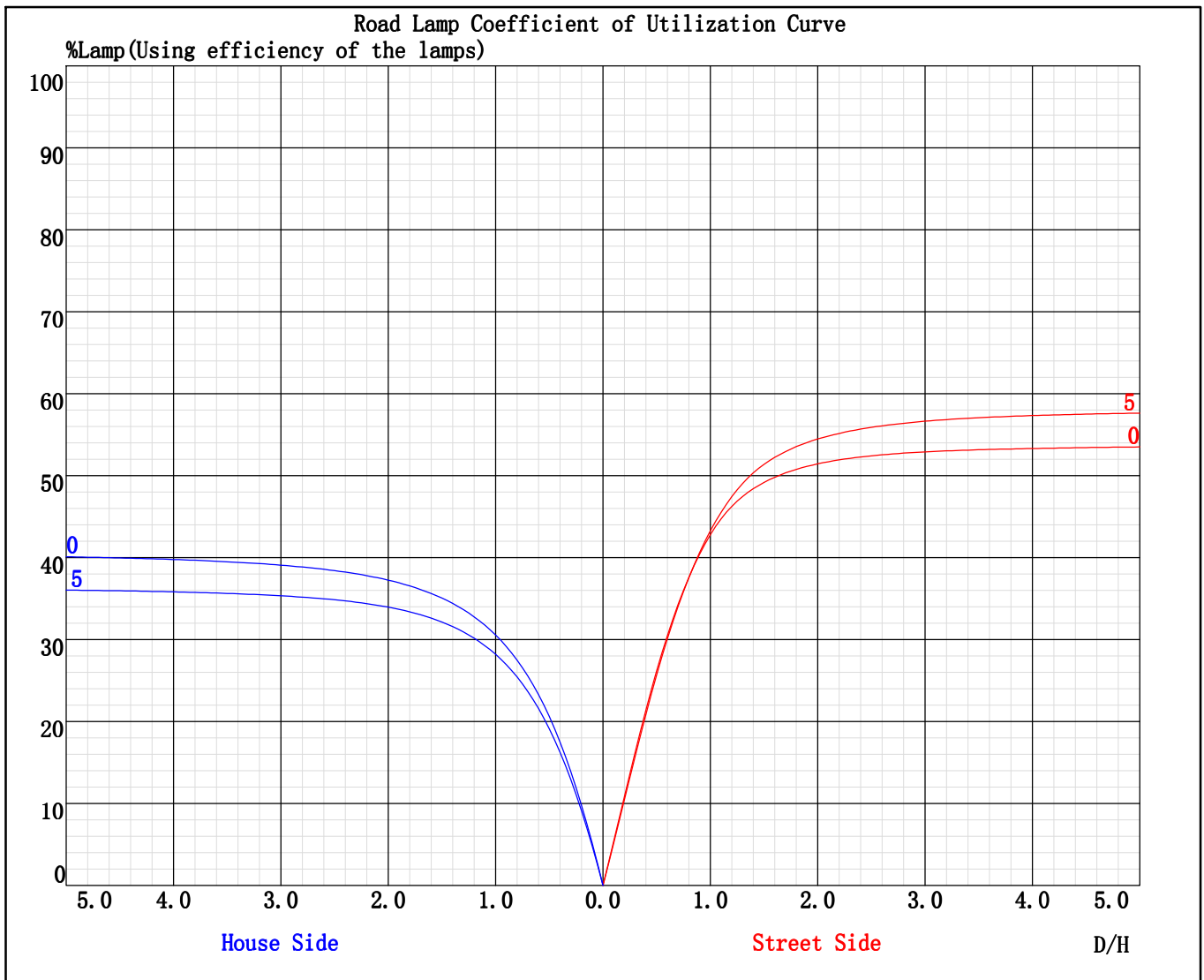
Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31

Illuminance-Distance Curve



Road Coefficient of Utilization Curves

Lum. Name:	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog: LED	Test Lab: IES
Manufacture:	Test Machine:GON-2000	Test Date: 2017/07/31



Tilt Angles: Ang1(deg): 0 Ang2(deg): 5

IES Road Report

Photometric Filename:12V 30W.IES

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
Y 0.0	935.42	935.42	935.42	935.42	935.42	935.42	935.42	935.42	935.42	935.42	935.42	935.42
Y 1.0	934.46	938.95	948.08	950.58	951.39	941.95	934.16	926.03	924.96	924.18	928.08	928.64
Y 2.0	935.35	946.37	960.38	964.45	963.62	949.04	934.79	920.27	914.73	912.37	917.78	922.83
Y 3.0	936.34	954.43	972.84	978.44	975.68	956.77	935.67	914.97	905.22	901.10	908.10	917.36
Y 4.0	937.62	962.61	985.37	992.40	988.20	964.87	937.21	910.40	895.74	890.02	898.58	912.19
Y 5.0	939.56	971.35	998.38	1006.49	1001.55	973.59	939.34	906.46	886.28	878.72	888.94	907.27
Y 6.0	941.37	980.64	1011.44	1020.16	1015.03	983.24	941.63	902.46	876.92	866.76	879.72	903.15
Y 7.0	943.57	990.11	1024.59	1033.11	1029.19	993.40	944.34	898.71	867.26	854.15	870.20	898.78
Y 8.0	946.95	1000.42	1037.38	1045.31	1041.98	1003.81	946.65	894.51	856.62	841.06	860.24	894.31
Y 9.0	950.97	1012.29	1050.49	1057.08	1054.65	1014.82	949.15	890.09	846.01	827.59	850.04	890.09
Y 10.0	954.92	1024.83	1062.48	1068.43	1067.29	1025.59	952.71	885.46	833.89	814.07	839.65	886.72
Y 11.0	959.41	1036.76	1074.49	1079.41	1079.43	1036.33	956.92	880.85	821.68	801.08	828.48	882.81
Y 12.0	965.13	1049.36	1086.29	1089.63	1090.89	1047.60	962.21	876.05	809.88	787.79	817.37	878.76
Y 13.0	971.98	1061.85	1098.15	1099.44	1102.22	1059.48	968.26	871.58	798.16	774.50	806.36	874.95
Y 14.0	980.44	1074.91	1109.65	1109.23	1113.55	1071.66	975.00	867.26	786.22	762.01	795.64	870.76
Y 15.0	989.64	1088.52	1121.31	1119.89	1124.92	1085.65	982.58	863.08	774.97	750.08	784.93	866.84
Y 16.0	999.22	1103.37	1132.65	1130.29	1136.52	1100.05	991.24	859.10	764.10	738.24	774.58	863.40
Y 17.0	1010.78	1118.64	1143.70	1139.43	1149.07	1115.27	1000.61	855.14	752.62	725.47	764.00	860.49
Y 18.0	1021.82	1134.06	1154.18	1146.87	1161.38	1130.58	1010.50	851.37	742.17	711.72	754.80	857.72
Y 19.0	1033.34	1149.88	1163.45	1152.37	1172.11	1145.93	1020.45	847.78	731.43	697.33	745.29	856.05
Y 20.0	1046.23	1166.29	1171.09	1156.32	1180.72	1161.60	1031.33	844.17	719.97	683.20	734.97	854.87
Y 21.0	1061.50	1183.13	1177.72	1157.75	1187.96	1177.67	1043.09	841.08	708.08	668.98	723.90	854.47
Y 22.0	1079.42	1200.18	1182.67	1157.03	1193.53	1193.20	1056.58	838.28	695.85	655.03	712.24	854.62
Y 23.0	1098.31	1218.07	1185.94	1154.42	1197.48	1209.71	1072.21	835.85	682.30	641.79	700.04	855.34
Y 24.0	1119.81	1235.45	1187.58	1149.20	1200.15	1226.74	1088.90	834.27	671.24	628.92	689.53	856.79
Y 25.0	1143.79	1251.07	1187.62	1141.84	1201.33	1244.08	1107.61	833.04	660.77	615.99	679.46	859.01
Y 26.0	1169.36	1265.58	1186.61	1134.02	1201.03	1261.90	1129.44	832.19	650.39	602.84	669.68	861.60
Y 27.0	1196.74	1279.88	1184.13	1127.06	1198.43	1279.98	1151.56	832.34	639.73	589.39	660.81	865.16
Y 28.0	1225.67	1295.17	1180.84	1121.89	1195.06	1297.51	1174.72	832.43	629.23	576.46	652.01	869.70
Y 29.0	1254.05	1310.28	1177.29	1117.51	1191.52	1314.99	1201.16	832.72	618.59	565.43	642.73	874.27
Y 30.0	1281.80	1325.56	1174.19	1112.38	1189.83	1331.26	1225.06	833.65	609.08	556.21	635.01	879.60
Y 31.0	1307.83	1341.67	1171.60	1105.33	1189.65	1345.08	1249.26	835.13	599.54	548.16	626.84	885.15
Y 32.0	1335.02	1358.86	1170.41	1097.03	1190.73	1357.20	1274.23	838.29	590.97	540.86	618.61	890.74
Y 33.0	1357.43	1375.48	1169.44	1087.36	1191.78	1369.62	1298.11	842.18	583.53	534.28	610.93	895.60
Y 34.0	1374.79	1389.78	1168.05	1075.75	1191.01	1382.21	1320.63	847.09	576.54	528.53	602.52	898.99
Y 35.0	1385.94	1401.31	1165.99	1059.46	1188.59	1394.54	1340.79	852.28	569.53	523.77	594.80	899.79
Y 36.0	1390.46	1409.69	1162.49	1037.86	1184.06	1405.09	1358.59	857.58	563.82	519.34	588.86	899.45
Y 37.0	1393.55	1416.68	1156.24	1014.67	1177.81	1415.65	1376.18	863.84	558.85	514.90	583.34	898.42
Y 38.0	1393.89	1421.96	1146.92	993.49	1169.46	1426.76	1394.04	871.36	553.91	510.05	577.51	898.95
Y 39.0	1393.86	1424.43	1134.90	975.77	1156.76	1436.13	1408.74	877.96	549.11	505.29	571.51	903.43
Y 40.0	1395.85	1426.38	1120.53	962.84	1142.51	1444.51	1419.99	880.40	544.08	500.24	564.88	912.09
Y 41.0	1397.46	1427.82	1103.61	955.27	1129.59	1450.78	1428.94	880.16	538.67	494.83	557.74	917.83
Y 42.0	1397.43	1429.22	1085.42	946.20	1117.03	1455.60	1434.34	879.46	532.99	489.60	550.53	922.83
Y 43.0	1397.67	1425.91	1069.12	921.48	1104.79	1459.65	1434.85	876.07	527.14	483.87	543.33	925.61
Y 44.0	1397.56	1420.82	1055.07	869.13	1094.77	1462.71	1432.94	870.70	520.70	477.94	535.46	927.77
Y 45.0	1397.58	1412.23	1046.82	822.42	1088.15	1464.31	1430.59	867.14	514.01	471.96	527.14	924.72
Y 46.0	1400.11	1402.70	1042.45	781.71	1081.79	1464.27	1427.90	864.05	506.93	466.16	518.28	919.80

IES Road Report
Photometric Filename:12V 30W.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
Y 47.0	1403.40	1394.06	1024.50	700.10	1062.24	1462.77	1423.89	861.99	499.66	460.63	509.15	914.23
Y 48.0	1406.82	1386.09	987.27	640.36	1030.27	1456.01	1419.16	858.64	492.80	454.85	500.43	907.55
Y 49.0	1409.60	1376.83	943.97	607.73	994.45	1443.88	1415.47	854.25	485.70	449.13	491.45	899.23
Y 50.0	1412.41	1366.72	900.26	502.05	955.12	1428.74	1409.62	849.24	478.22	443.23	481.25	889.50
Y 51.0	1413.57	1355.66	842.89	416.97	902.73	1410.89	1403.04	844.15	470.94	437.20	471.00	880.53
Y 52.0	1414.92	1344.86	777.56	381.46	840.95	1394.53	1396.09	836.72	463.44	430.96	461.15	871.47
Y 53.0	1415.93	1337.54	714.33	357.36	781.91	1379.06	1388.10	825.74	456.42	424.13	452.70	860.69
Y 54.0	1417.40	1332.37	650.09	337.41	717.50	1363.74	1380.86	812.84	449.67	417.23	444.93	848.81
Y 55.0	1417.37	1327.20	583.98	317.52	652.05	1348.57	1372.40	798.67	442.81	410.23	437.90	836.31
Y 56.0	1415.56	1320.33	529.85	300.26	582.67	1333.78	1363.50	782.67	434.77	403.07	430.01	821.54
Y 57.0	1414.43	1309.92	479.15	283.76	523.47	1317.90	1353.88	765.79	425.85	396.15	421.44	806.82
Y 58.0	1412.52	1294.38	420.52	267.75	469.00	1300.76	1344.83	747.95	415.67	388.78	412.00	790.92
Y 59.0	1411.20	1272.01	375.91	252.11	409.94	1279.57	1337.63	729.90	404.87	380.46	402.58	773.87
Y 60.0	1409.50	1240.47	341.15	237.05	362.55	1253.42	1330.45	711.27	394.00	370.91	392.90	755.35
Y 61.0	1406.06	1202.47	314.01	222.06	325.26	1220.08	1323.36	692.64	383.85	360.98	383.71	736.35
Y 62.0	1403.36	1162.46	291.40	206.73	294.91	1178.12	1316.27	671.56	372.34	350.60	373.65	715.71
Y 63.0	1400.36	1121.98	269.93	192.29	271.60	1133.88	1310.70	650.32	360.59	339.69	363.04	694.18
Y 64.0	1394.86	1082.49	249.43	179.04	249.37	1092.64	1306.06	628.10	347.11	328.13	350.50	672.18
Y 65.0	1382.10	1049.86	229.29	166.83	228.67	1054.20	1298.66	604.76	332.94	316.09	337.27	648.48
Y 66.0	1358.61	1026.73	209.28	155.96	209.14	1021.03	1284.84	582.07	318.84	304.44	323.80	624.10
Y 67.0	1323.00	1008.06	190.82	145.71	191.07	994.49	1264.83	559.98	305.45	293.13	310.23	599.63
Y 68.0	1281.86	989.71	173.34	136.23	174.54	968.12	1235.44	537.91	291.66	279.91	295.55	575.31
Y 69.0	1236.92	971.40	157.06	127.58	159.48	943.78	1197.11	515.99	277.47	265.74	280.32	550.22
Y 70.0	1189.69	946.12	142.06	119.07	145.45	918.18	1147.37	492.16	261.92	251.26	263.82	524.05
Y 71.0	1141.23	901.30	128.32	110.76	132.54	887.13	1094.97	466.71	247.29	236.92	248.01	496.59
Y 72.0	1089.89	821.84	115.24	103.08	121.15	841.62	1039.82	442.66	233.47	223.31	232.67	469.03
Y 73.0	1035.60	716.97	104.14	96.47	110.36	774.29	984.63	419.06	220.36	209.43	217.39	443.46
Y 74.0	974.30	608.85	95.54	90.24	101.17	688.47	921.80	393.93	206.53	194.50	201.83	416.94
Y 75.0	904.80	514.32	87.58	84.11	92.68	590.84	851.66	368.81	193.10	181.21	186.68	389.12
Y 76.0	828.00	431.44	81.31	79.08	85.79	491.58	769.24	342.64	179.54	169.66	171.66	360.92
Y 77.0	742.81	338.99	76.26	75.43	80.25	407.83	682.67	315.24	165.08	158.88	157.55	332.84
Y 78.0	636.06	260.19	73.64	73.37	76.68	323.75	592.45	289.76	150.01	148.12	143.64	307.01
Y 79.0	515.78	193.80	72.01	71.39	74.95	247.25	499.53	265.16	136.35	138.46	130.74	280.59
Y 80.0	434.08	154.04	70.31	69.45	73.00	188.37	416.15	238.46	123.33	128.57	118.29	252.42
Y 81.0	369.43	116.36	68.99	66.91	71.21	137.64	357.27	212.90	111.81	117.65	106.89	223.41
Y 82.0	315.94	97.60	67.64	63.69	69.49	105.61	309.00	189.40	100.28	101.23	95.63	196.18
Y 83.0	272.92	88.35	66.27	61.83	68.07	90.90	269.59	168.08	88.97	88.36	84.82	170.71
Y 84.0	240.53	79.60	64.72	60.04	66.80	84.90	233.96	149.06	80.59	78.41	76.85	148.02
Y 85.0	214.21	75.04	62.79	58.22	64.72	81.18	207.54	130.91	74.24	52.78	70.32	127.78
Y 86.0	193.44	72.64	60.58	56.44	62.53	78.66	182.90	112.28	66.46	48.72	61.24	108.07
Y 87.0	171.74	71.09	58.55	54.59	60.03	76.60	160.23	95.94	56.64	40.12	52.21	91.00
Y 88.0	136.47	69.71	56.57	52.37	57.88	75.48	124.37	82.19	47.88	33.59	44.33	75.64
Y 89.0	112.79	68.76	54.98	50.40	56.00	74.35	90.79	70.25	41.61	29.91	38.91	62.61
Y 90.0	93.67	67.76	53.74	45.64	54.37	72.36	70.45	61.47	38.60	26.84	37.24	53.32
Y 91.0	79.35	66.11	52.45	40.29	52.98	70.08	57.58	54.25	37.02	24.84	35.93	46.83
Y 92.0	71.55	64.08	51.29	38.06	51.80	67.67	51.44	47.95	35.61	23.68	34.22	41.57
Y 93.0	68.17	62.35	50.31	37.44	50.55	65.03	47.75	42.58	34.13	23.43	32.91	37.67

IES Road Report
Photometric Filename:12V 30W.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0	C300.0	C330.0
Y 94.0	65.44	60.91	49.34	36.89	49.72	62.56	45.41	38.85	31.50	23.32	30.48	35.97
Y 95.0	63.82	59.92	47.27	36.12	48.56	60.93	44.19	37.37	29.84	23.18	28.71	35.19
Y 96.0	63.07	58.99	44.84	35.75	47.03	59.74	43.72	36.24	27.33	23.19	26.64	34.18
Y 97.0	62.74	56.61	42.21	35.31	44.58	58.54	43.97	34.90	26.04	23.20	24.73	32.76
Y 98.0	63.70	53.28	40.08	34.58	41.87	55.45	47.09	33.47	25.82	23.30	24.61	31.38
Y 99.0	60.26	50.62	38.38	34.21	39.45	52.59	43.79	32.72	25.85	23.43	24.60	30.92
Y 100.0	57.81	48.55	37.82	33.84	38.57	50.55	39.89	32.21	25.90	23.54	24.67	30.78
Y 101.0	55.37	47.31	37.49	33.55	38.25	49.03	37.22	31.97	25.95	23.52	24.76	30.07
Y 102.0	52.15	46.02	37.18	33.29	37.74	47.59	34.38	31.59	26.10	23.63	24.87	29.37
Y 103.0	50.13	44.36	36.76	32.96	37.46	46.23	32.26	31.24	26.24	23.71	25.06	29.04
Y 104.0	48.75	43.12	36.49	32.74	37.14	44.78	31.12	31.06	26.24	23.82	25.10	28.87
Y 105.0	47.75	42.73	36.15	32.40	36.68	43.95	30.42	30.91	26.33	23.88	25.32	28.88
Y 106.0	47.06	42.33	35.84	32.21	36.35	43.57	29.85	30.82	26.49	24.24	25.41	28.77
Y 107.0	46.46	41.83	35.49	31.96	36.09	42.98	29.74	30.68	26.56	24.30	25.47	28.72
Y 108.0	45.93	41.30	35.19	31.82	35.83	42.50	29.52	30.64	26.70	24.43	25.59	28.71
Y 109.0	45.44	41.00	34.91	31.59	35.59	42.05	29.31	30.52	26.80	24.54	25.74	28.67
Y 110.0	45.00	40.57	34.77	31.37	35.29	41.57	29.26	30.38	26.91	24.82	25.90	28.61
Y 111.0	44.54	40.12	34.43	31.25	35.10	41.20	29.17	30.30	26.98	24.94	26.03	28.60
Y 112.0	44.09	39.83	34.15	31.20	34.79	40.80	28.92	30.11	27.12	25.11	26.16	28.51
Y 113.0	43.64	39.36	33.89	30.95	34.55	40.37	28.81	30.05	27.18	25.31	26.30	28.55
Y 114.0	43.19	39.05	33.68	30.79	34.33	39.97	28.80	29.95	27.36	25.57	26.50	28.46
Y 115.0	42.69	38.76	33.48	30.60	34.07	39.60	28.68	29.86	27.41	25.73	26.57	28.46
Y 116.0	42.25	38.38	33.28	30.51	33.85	39.22	28.48	29.78	27.60	25.90	26.77	28.48
Y 117.0	41.76	38.17	33.14	30.41	33.71	38.84	28.38	29.67	27.71	26.18	26.96	28.51
Y 118.0	41.38	37.89	32.93	30.42	33.43	38.53	28.31	29.52	27.76	26.34	27.17	28.56
Y 119.0	40.83	37.68	32.78	30.39	33.20	38.20	28.18	29.39	27.78	26.52	27.29	28.68
Y 120.0	40.59	37.46	32.62	30.19	33.01	37.97	28.23	29.32	27.89	26.69	27.35	28.57
Y 121.0	40.14	37.14	32.53	30.13	32.92	37.58	28.05	29.28	27.98	26.93	27.48	28.68
Y 122.0	39.80	36.88	32.52	29.95	32.77	37.32	28.02	29.11	28.01	27.25	27.62	28.68
Y 123.0	39.44	36.77	32.33	29.81	32.52	36.97	27.95	29.11	28.08	27.41	27.82	28.75
Y 124.0	39.18	36.50	32.23	29.69	32.47	36.74	27.95	29.09	28.16	27.65	28.01	28.67
Y 125.0	38.87	36.35	32.26	29.60	32.40	36.55	27.87	29.00	28.25	27.91	28.17	28.68
Y 126.0	38.56	36.11	32.17	29.57	32.18	36.30	27.95	28.98	28.24	27.98	28.36	28.78
Y 127.0	38.30	35.93	32.08	29.44	32.08	36.08	27.98	28.97	28.23	28.08	28.39	28.83
Y 128.0	38.06	35.82	31.98	29.50	31.96	35.90	28.03	28.89	28.44	28.28	28.61	28.91
Y 129.0	37.78	35.70	31.97	29.40	31.91	35.67	28.04	28.80	28.38	28.46	28.84	28.88
Y 130.0	37.61	35.59	31.98	29.44	31.78	35.48	28.08	28.88	28.50	28.56	28.90	29.00
Y 131.0	37.36	35.40	31.93	29.45	31.77	35.28	28.20	28.87	28.54	28.78	29.01	29.06
Y 132.0	37.27	35.26	31.88	29.35	31.57	35.21	28.27	28.88	28.58	28.86	29.03	29.00
Y 133.0	37.10	35.16	31.89	29.38	31.50	35.05	28.28	28.91	28.57	28.94	29.22	29.15
Y 134.0	36.88	35.07	31.77	29.41	31.45	34.96	28.42	29.03	28.72	29.14	29.35	29.10
Y 135.0	36.77	35.00	31.77	29.44	31.50	34.86	28.50	29.01	28.73	29.18	29.42	29.21
Y 136.0	36.66	34.94	31.83	29.40	31.35	34.73	28.62	29.16	28.76	29.32	29.50	29.31
Y 137.0	36.44	34.88	31.83	29.54	31.30	34.65	28.70	29.29	28.88	29.36	29.62	29.43
Y 138.0	36.42	34.92	31.91	29.64	31.24	34.60	28.90	29.41	28.95	29.45	29.78	29.58
Y 139.0	36.32	34.89	31.95	29.73	31.31	34.46	29.03	29.51	28.95	29.52	29.86	29.67
Y 140.0	36.33	34.87	31.98	29.75	31.31	34.43	29.06	29.68	29.15	29.64	30.11	29.81

