

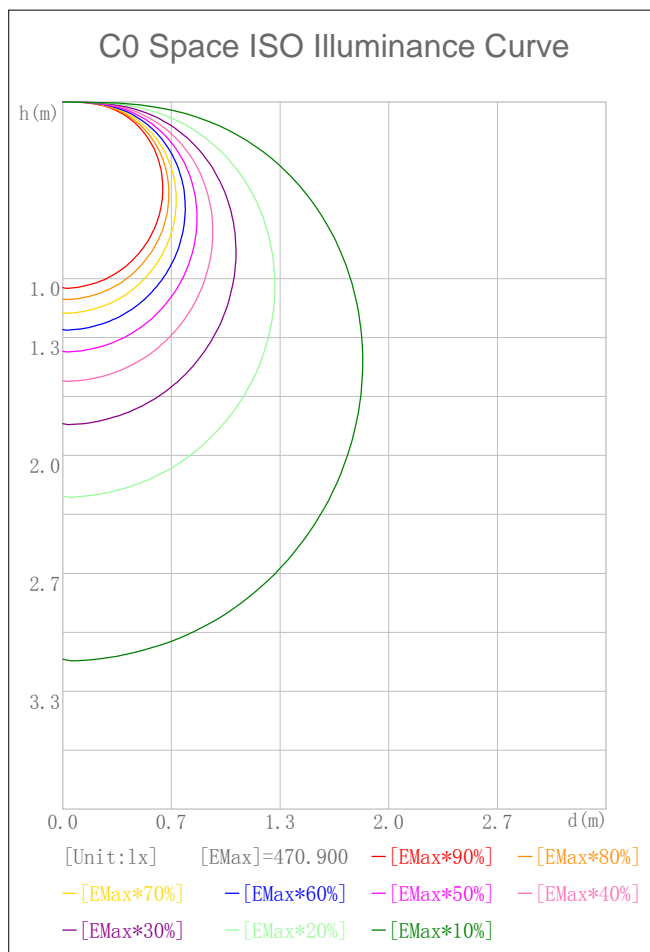
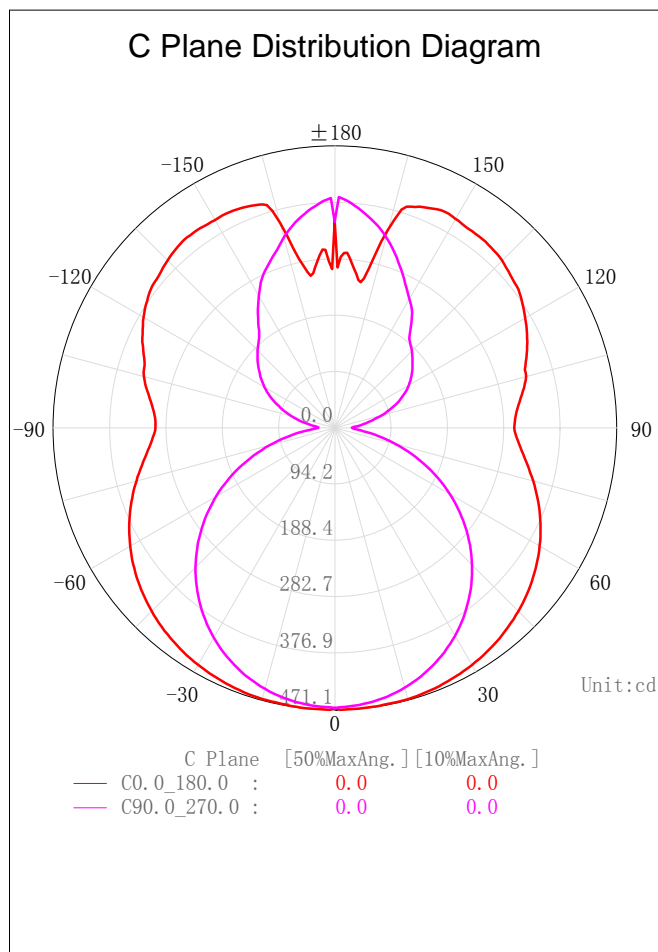
Road Luminaire Photometric Data

Description Information

Luminary Name: SPEND15		Lum. Catalog:	Test ID: 001
Lamp Name:		Lamp Catalog:	Test Date: 2019/08/02
Manufacture:		Shld. Ang(°):	Test Machine: GON-2000
Test Lab: Volnic IES	Frequency (Hz):		Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.025m*1.515m*0.000m		Lum. Area (m2): 0.038	Lum. W (kg): 1.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25	Humidity (%): 50.0

Character Parameter

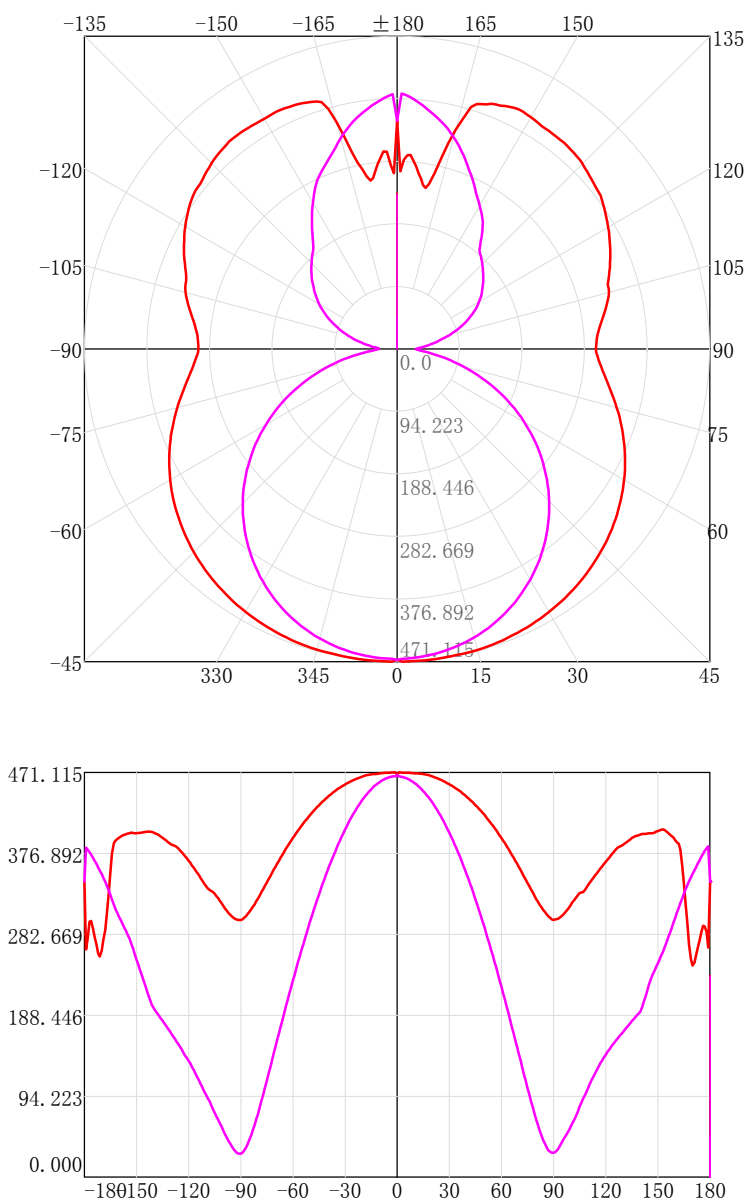
Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 3604.430	Luminary Flux(lm): 3604.433	Down Lumens&Percent: 1988.016lm 55.15%	
Rated Power(W):	Luminary Efficiency: 100.00%	Up Lumens&Percent: 1616.417lm 44.85%	
Rated Voltage(V):	Luminary EER(lm/W): 96.608	76° Flash Area(m2):	
Tested Power(W): 37.310	Max. Candela(cd): 471.115	SLI: 0.000	
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=1.0	IES Classification: Type III	
Tested Electrics(V, A, pf): 240.0, 0.165, 0.939	Half Peak Angle(°): L=-180.0, R=180.0	Longitudinal Classfct: Very Short	
Lamp Size (W*L*H): 0.025m*1.515m*0.000m	Field Angle(10%Imax): 360.0(°)	Cutoff Classification: Noncutoff	



2D Plane Light Intensity Distribution Curve

Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/02

C Plane Distribution Diagram

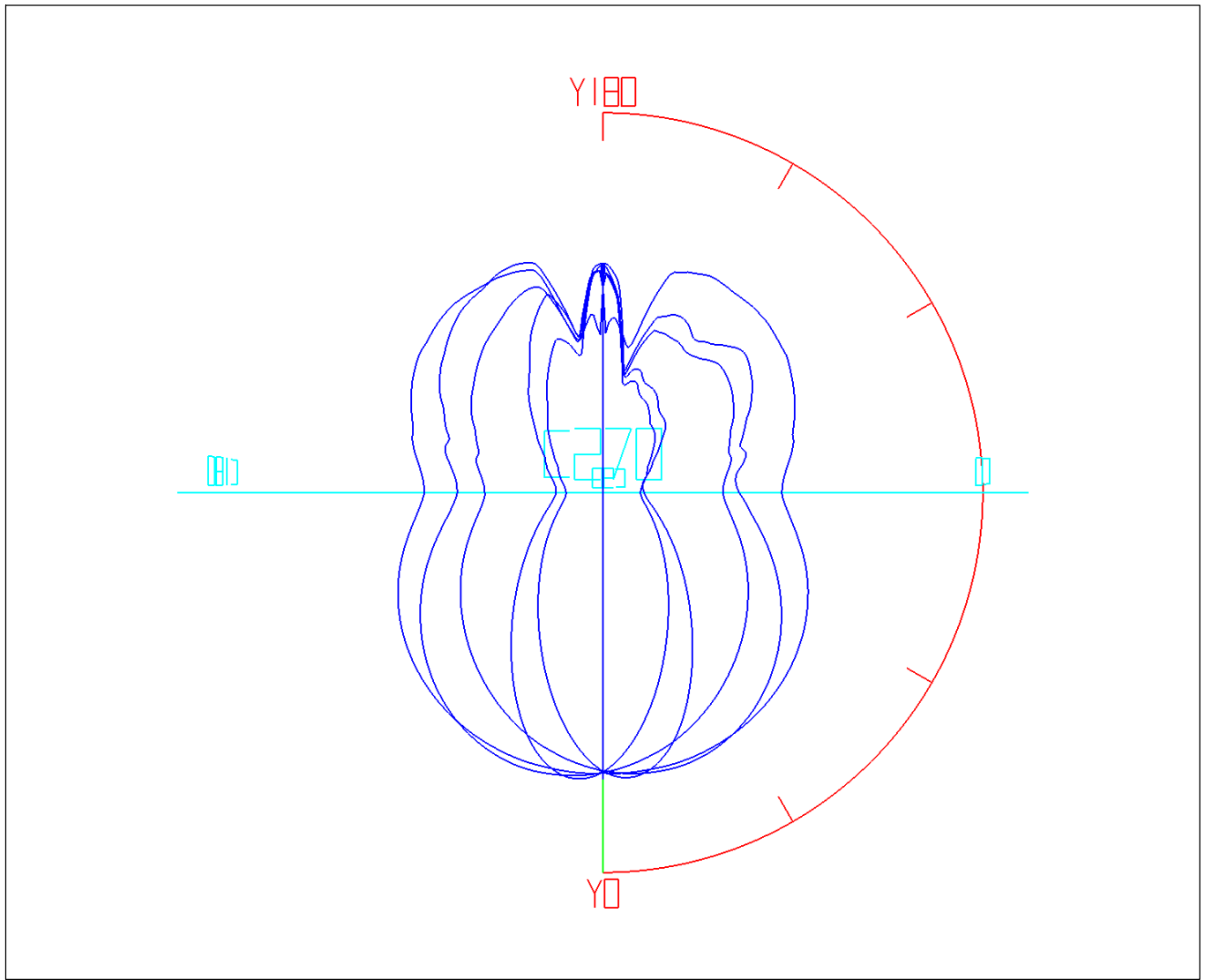


—	C Plane	[50%MaxAng.]	[10%MaxAng] t : cd
—	C0_0_180.0 :	0.0	0.0
—	C90_0_270.0 :	0.0	0.0

3D Light Intensity Distribution Modal

Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/02

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: SPEND15

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	0.45	0.45	0.01	0.01	47.0-48.0	30.00	872.43	0.83	24.20
1.0-2.0	1.34	1.79	0.04	0.05	48.0-49.0	30.14	902.57	0.84	25.04
2.0-3.0	2.24	4.03	0.06	0.11	49.0-50.0	30.26	932.83	0.84	25.88
3.0-4.0	3.13	7.15	0.09	0.20	50.0-51.0	30.34	963.17	0.84	26.72
4.0-5.0	4.02	11.17	0.11	0.31	51.0-52.0	30.41	993.58	0.84	27.57
5.0-6.0	4.90	16.07	0.14	0.45	52.0-53.0	30.44	1024.02	0.84	28.41
6.0-7.0	5.78	21.85	0.16	0.61	53.0-54.0	30.45	1054.47	0.84	29.25
7.0-8.0	6.66	28.51	0.18	0.79	54.0-55.0	30.44	1084.91	0.84	30.10
8.0-9.0	7.53	36.04	0.21	1.00	55.0-56.0	30.40	1115.32	0.84	30.94
9.0-10.0	8.39	44.44	0.23	1.23	56.0-57.0	30.34	1145.65	0.84	31.78
10.0-11.0	9.25	53.69	0.26	1.49	57.0-58.0	30.24	1175.90	0.84	32.62
11.0-12.0	10.10	63.79	0.28	1.77	58.0-59.0	30.13	1206.03	0.84	33.46
12.0-13.0	10.94	74.73	0.30	2.07	59.0-60.0	29.99	1236.02	0.83	34.29
13.0-14.0	11.78	86.51	0.33	2.40	60.0-61.0	29.83	1265.85	0.83	35.12
14.0-15.0	12.60	99.12	0.35	2.75	61.0-62.0	29.65	1295.51	0.82	35.94
15.0-16.0	13.42	112.53	0.37	3.12	62.0-63.0	29.44	1324.95	0.82	36.76
16.0-17.0	14.22	126.75	0.39	3.52	63.0-64.0	29.21	1354.16	0.81	37.57
17.0-18.0	15.01	141.76	0.42	3.93	64.0-65.0	28.96	1383.13	0.80	38.37
18.0-19.0	15.78	157.54	0.44	4.37	65.0-66.0	28.69	1411.81	0.80	39.17
19.0-20.0	16.54	174.08	0.46	4.83	66.0-67.0	28.40	1440.21	0.79	39.96
20.0-21.0	17.29	191.37	0.48	5.31	67.0-68.0	28.09	1468.30	0.78	40.74
21.0-22.0	18.02	209.40	0.50	5.81	68.0-69.0	27.76	1496.06	0.77	41.51
22.0-23.0	18.74	228.14	0.52	6.33	69.0-70.0	27.40	1523.46	0.76	42.27
23.0-24.0	19.44	247.58	0.54	6.87	70.0-71.0	27.04	1550.50	0.75	43.02
24.0-25.0	20.13	267.71	0.56	7.43	71.0-72.0	26.65	1577.15	0.74	43.76
25.0-26.0	20.80	288.50	0.58	8.00	72.0-73.0	26.26	1603.41	0.73	44.48
26.0-27.0	21.44	309.95	0.59	8.60	73.0-74.0	25.85	1629.26	0.72	45.20
27.0-28.0	22.07	332.02	0.61	9.21	74.0-75.0	25.44	1654.70	0.71	45.91
28.0-29.0	22.68	354.71	0.63	9.84	75.0-76.0	25.01	1679.71	0.69	46.60
29.0-30.0	23.27	377.98	0.65	10.49	76.0-77.0	24.57	1704.28	0.68	47.28
30.0-31.0	23.84	401.82	0.66	11.15	77.0-78.0	24.14	1728.42	0.67	47.95
31.0-32.0	24.39	426.22	0.68	11.82	78.0-79.0	23.70	1752.12	0.66	48.61
32.0-33.0	24.92	451.14	0.69	12.52	79.0-80.0	23.27	1775.39	0.65	49.26
33.0-34.0	25.43	476.57	0.71	13.22	80.0-81.0	22.84	1798.23	0.63	49.89
34.0-35.0	25.91	502.48	0.72	13.94	81.0-82.0	22.42	1820.66	0.62	50.51
35.0-36.0	26.37	528.84	0.73	14.67	82.0-83.0	22.02	1842.68	0.61	51.12
36.0-37.0	26.81	555.65	0.74	15.42	83.0-84.0	21.64	1864.33	0.60	51.72
37.0-38.0	27.22	582.87	0.76	16.17	84.0-85.0	21.29	1885.62	0.59	52.31
38.0-39.0	27.61	610.48	0.77	16.94	85.0-86.0	20.97	1906.59	0.58	52.90
39.0-40.0	27.97	638.45	0.78	17.71	86.0-87.0	20.68	1927.27	0.57	53.47
40.0-41.0	28.31	666.77	0.79	18.50	87.0-88.0	20.43	1947.70	0.57	54.04
41.0-42.0	28.63	695.40	0.79	19.29	88.0-89.0	20.23	1967.93	0.56	54.60
42.0-43.0	28.92	724.32	0.80	20.10	89.0-90.0	20.09	1988.02	0.56	55.15
43.0-44.0	29.19	753.51	0.81	20.91	90.0-91.0	20.05	2008.06	0.56	55.71
44.0-45.0	29.43	782.94	0.82	21.72	91.0-92.0	20.07	2028.13	0.56	56.27
45.0-46.0	29.65	812.59	0.82	22.54	92.0-93.0	20.13	2048.26	0.56	56.83
46.0-47.0	29.84	842.43	0.83	23.37	93.0-94.0	20.24	2068.50	0.56	57.39

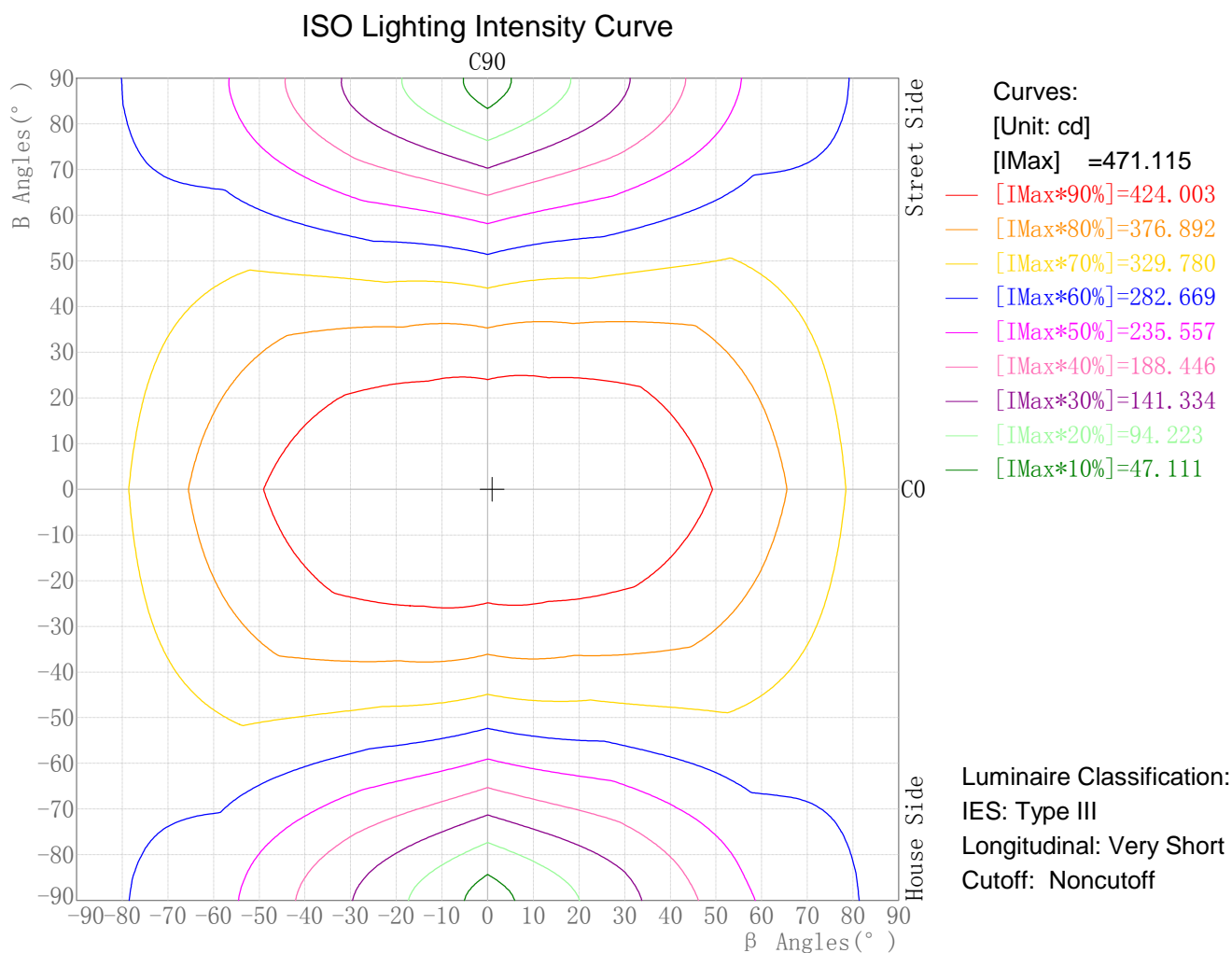
IES Road Report
Photometric Filename: SPEND15

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	20.40	2088.90	0.57	57.95	141.0-142.0	20.72	3191.26	0.57	88.54
95.0-96.0	20.60	2109.50	0.57	58.53	142.0-143.0	20.34	3211.59	0.56	89.10
96.0-97.0	20.83	2130.34	0.58	59.10	143.0-144.0	19.96	3231.55	0.55	89.65
97.0-98.0	21.09	2151.42	0.58	59.69	144.0-145.0	19.59	3251.13	0.54	90.20
98.0-99.0	21.37	2172.79	0.59	60.28	145.0-146.0	19.22	3270.36	0.53	90.73
99.0-100.0	21.68	2194.47	0.60	60.88	146.0-147.0	18.86	3289.22	0.52	91.25
100.0-101.0	21.99	2216.46	0.61	61.49	147.0-148.0	18.50	3307.72	0.51	91.77
101.0-102.0	22.27	2238.73	0.62	62.11	148.0-149.0	18.11	3325.82	0.50	92.27
102.0-103.0	22.50	2261.23	0.62	62.73	149.0-150.0	17.67	3343.50	0.49	92.76
103.0-104.0	22.66	2283.89	0.63	63.36	150.0-151.0	17.19	3360.69	0.48	93.24
104.0-105.0	22.74	2306.63	0.63	63.99	151.0-152.0	16.68	3377.37	0.46	93.70
105.0-106.0	22.77	2329.40	0.63	64.63	152.0-153.0	16.13	3393.50	0.45	94.15
106.0-107.0	22.86	2352.26	0.63	65.26	153.0-154.0	15.56	3409.06	0.43	94.58
107.0-108.0	23.06	2375.32	0.64	65.90	154.0-155.0	14.98	3424.04	0.42	95.00
108.0-109.0	23.33	2398.65	0.65	66.55	155.0-156.0	14.37	3438.41	0.40	95.39
109.0-110.0	23.59	2422.25	0.65	67.20	156.0-157.0	13.75	3452.16	0.38	95.78
110.0-111.0	23.83	2446.08	0.66	67.86	157.0-158.0	13.12	3465.27	0.36	96.14
111.0-112.0	24.04	2470.11	0.67	68.53	158.0-159.0	12.50	3477.77	0.35	96.49
112.0-113.0	24.23	2494.35	0.67	69.20	159.0-160.0	11.90	3489.67	0.33	96.82
113.0-114.0	24.43	2518.78	0.68	69.88	160.0-161.0	11.28	3500.95	0.31	97.13
114.0-115.0	24.66	2543.44	0.68	70.56	161.0-162.0	10.65	3511.60	0.30	97.42
115.0-116.0	24.89	2568.33	0.69	71.25	162.0-163.0	10.01	3521.61	0.28	97.70
116.0-117.0	25.08	2593.41	0.70	71.95	163.0-164.0	9.36	3530.97	0.26	97.96
117.0-118.0	25.21	2618.62	0.70	72.65	164.0-165.0	8.69	3539.66	0.24	98.20
118.0-119.0	25.31	2643.93	0.70	73.35	165.0-166.0	8.02	3547.68	0.22	98.43
119.0-120.0	25.36	2669.29	0.70	74.06	166.0-167.0	7.37	3555.06	0.20	98.63
120.0-121.0	25.37	2694.66	0.70	74.76	167.0-168.0	6.75	3561.80	0.19	98.82
121.0-122.0	25.35	2720.01	0.70	75.46	168.0-169.0	6.18	3567.98	0.17	98.99
122.0-123.0	25.29	2745.30	0.70	76.16	169.0-170.0	5.70	3573.69	0.16	99.15
123.0-124.0	25.20	2770.51	0.70	76.86	170.0-171.0	5.30	3578.98	0.15	99.29
124.0-125.0	25.09	2795.60	0.70	77.56	171.0-172.0	4.91	3583.89	0.14	99.43
125.0-126.0	24.96	2820.56	0.69	78.25	172.0-173.0	4.50	3588.39	0.12	99.56
126.0-127.0	24.83	2845.39	0.69	78.94	173.0-174.0	4.05	3592.44	0.11	99.67
127.0-128.0	24.70	2870.09	0.69	79.63	174.0-175.0	3.55	3595.98	0.10	99.77
128.0-129.0	24.57	2894.66	0.68	80.31	175.0-176.0	2.99	3598.98	0.08	99.85
129.0-130.0	24.42	2919.08	0.68	80.99	176.0-177.0	2.38	3601.35	0.07	99.91
130.0-131.0	24.25	2943.33	0.67	81.66	177.0-178.0	1.71	3603.07	0.05	99.96
131.0-132.0	24.06	2967.38	0.67	82.33	178.0-179.0	1.03	3604.10	0.03	99.99
132.0-133.0	23.84	2991.22	0.66	82.99	179.0-180.0	0.34	3604.43	0.01	100.00
133.0-134.0	23.59	3014.81	0.65	83.64					
134.0-135.0	23.30	3038.12	0.65	84.29					
135.0-136.0	22.99	3061.11	0.64	84.93					
136.0-137.0	22.66	3083.76	0.63	85.55					
137.0-138.0	22.29	3106.05	0.62	86.17					
138.0-139.0	21.89	3127.94	0.61	86.78					
139.0-140.0	21.49	3149.43	0.60	87.38					
140.0-141.0	21.10	3170.53	0.59	87.96					

Rectangle ISO Lighting Intensity Diagram

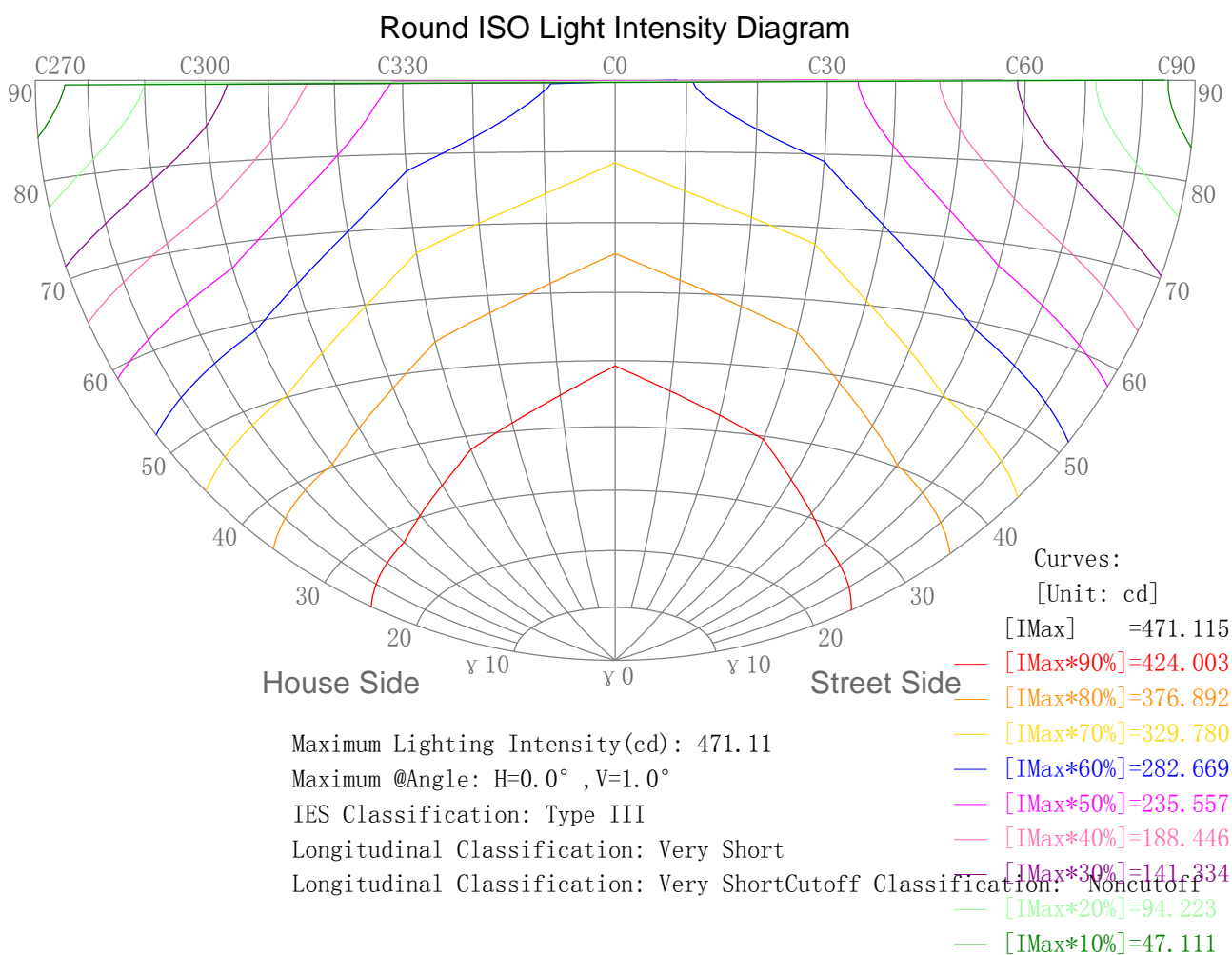
Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/02



Maximum Light Intensity(cd): 471.11
 Maximum Cand.@Angle: H=1.0°;V=0.0°

Round ISO Lighting Intensity Diagram

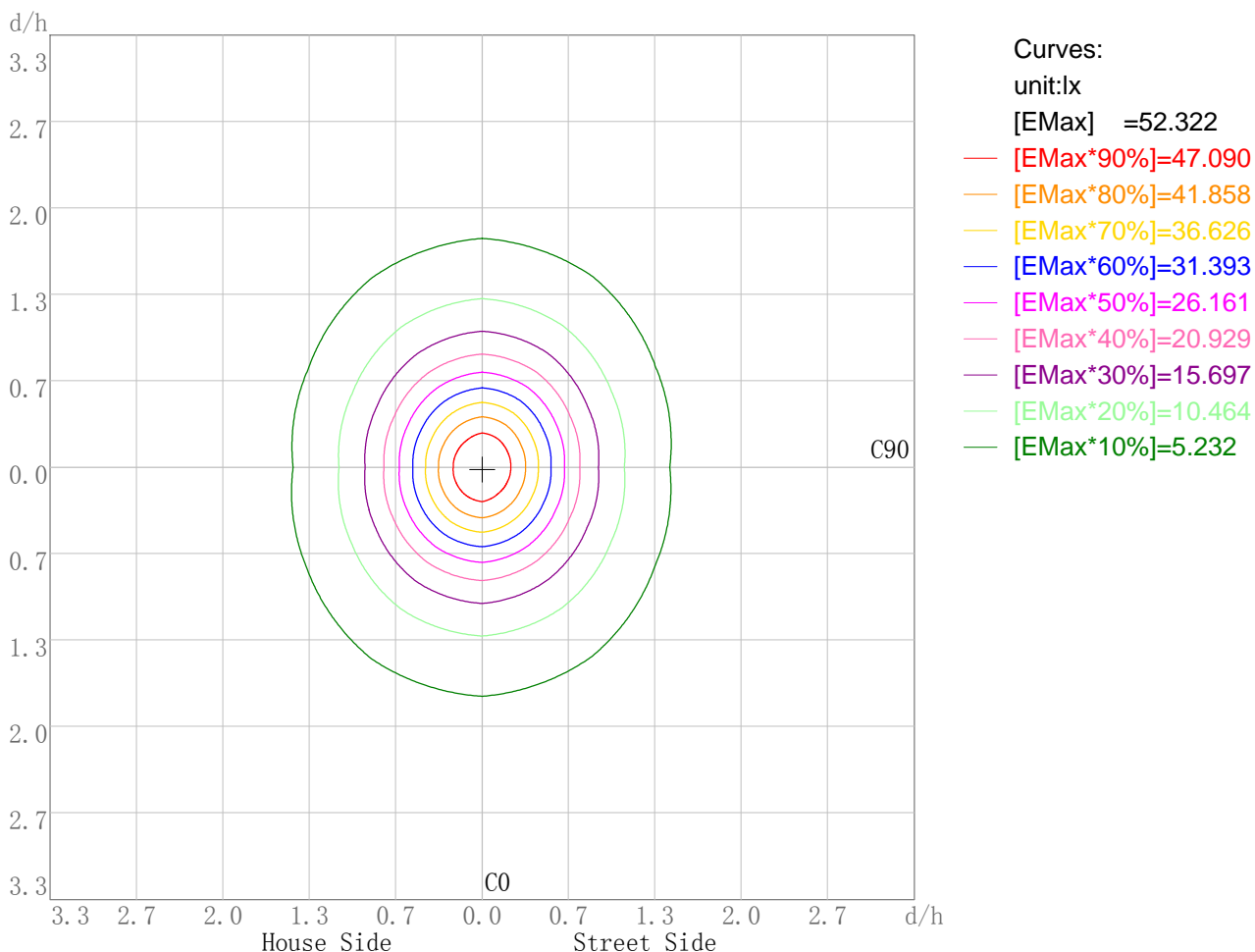
Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/02



Plane ISO-Illuminance Diagram

Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine: GON-2000	Test Date: 2019/08/02

Plane ISO-Illuminance Curve

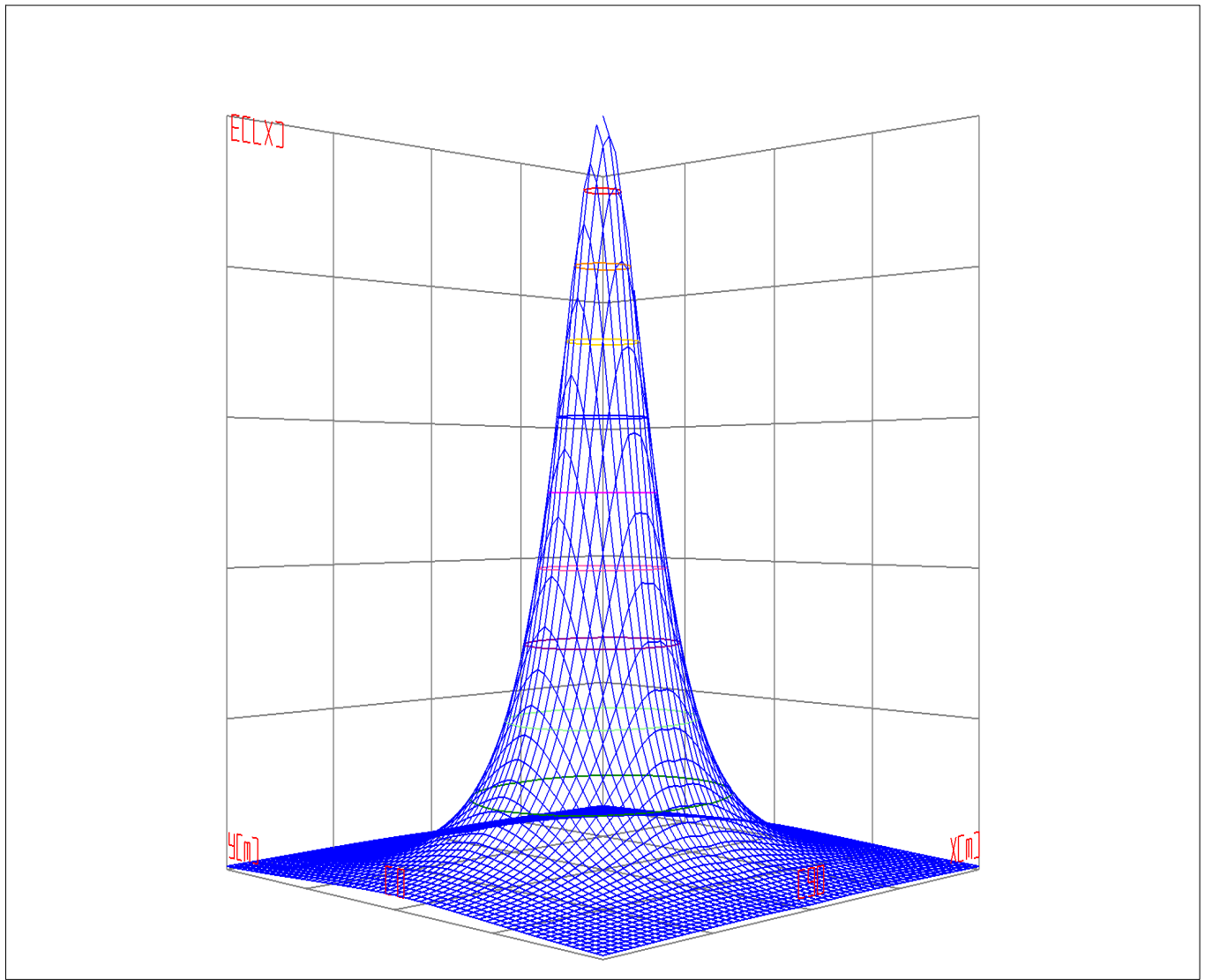


Working Plane Luminaire Mounting Height(m): 3.00
 Working Plane Maximum Illuminance(lx): 52.32
 Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

3D Plane ISO Illuminance Diagram

Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine: GON-2000	Test Date: 2019/08/02

3D Plane Illuminance Modal

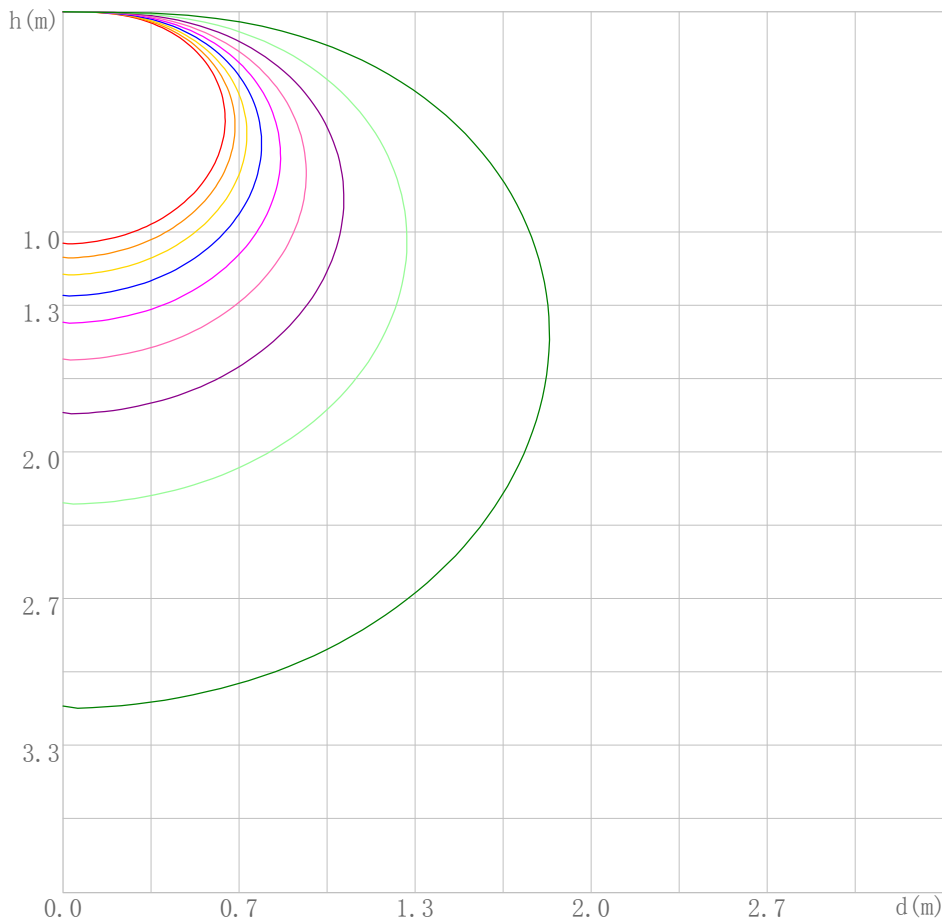


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
 View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine: GON-2000	Test Date: 2019/08/02

Space ISO Illuminance Curve



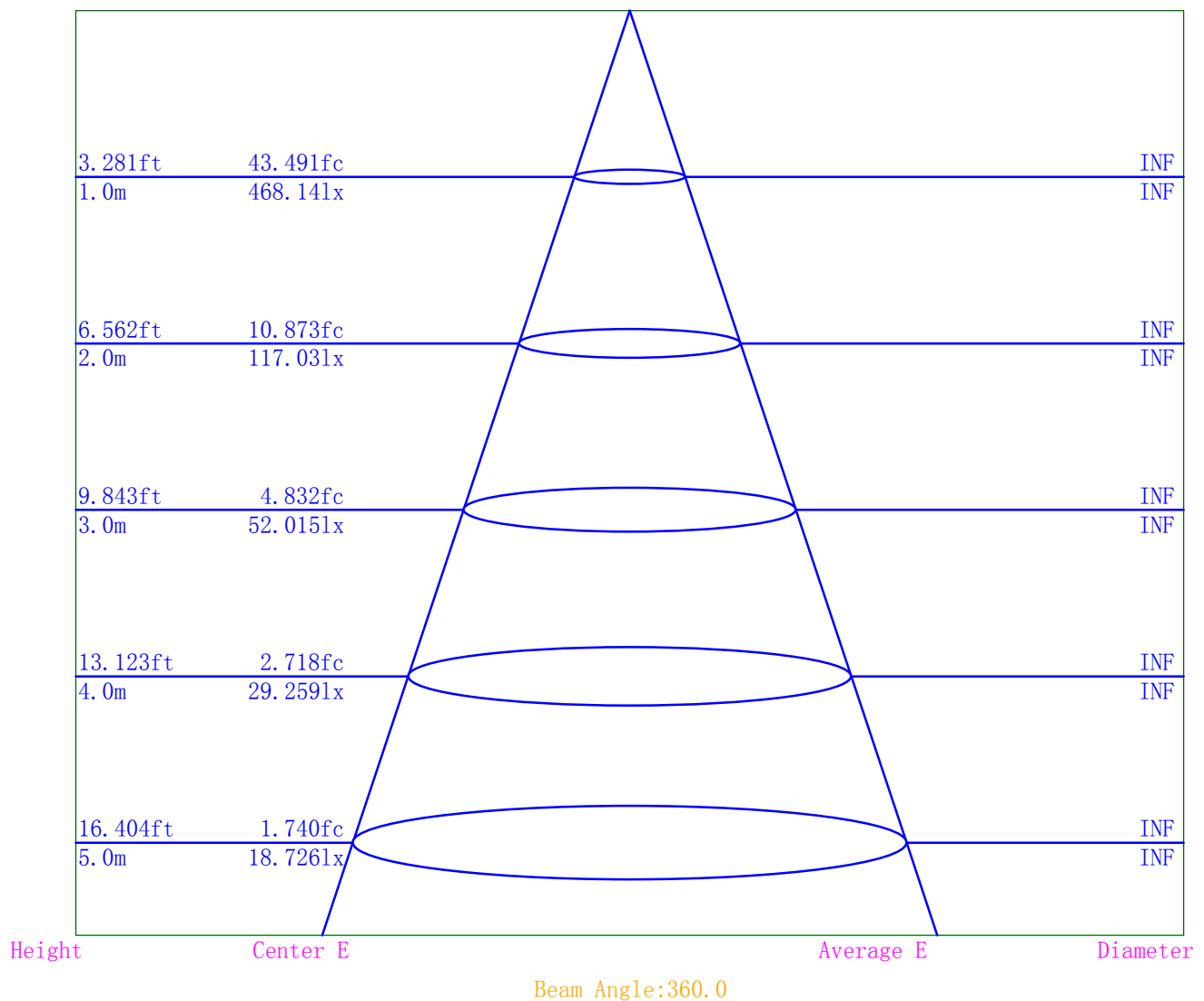
- Curves:
 [Unit: lx]
 [EMax] =470.900
- [EMax*90%]=423.810
 - [EMax*80%]=376.720
 - [EMax*70%]=329.630
 - [EMax*60%]=282.540
 - [EMax*50%]=235.450
 - [EMax*40%]=188.360
 - [EMax*30%]=141.270
 - [EMax*20%]=94.180
 - [EMax*10%]=47.090

Space Plane Maximum Illuminance and @Angle:470.90lx,1.0deg
 Plane Maximum Lighting Intensity and @Angle:471.115cd,0deg

Illuminance-Distance Diagram

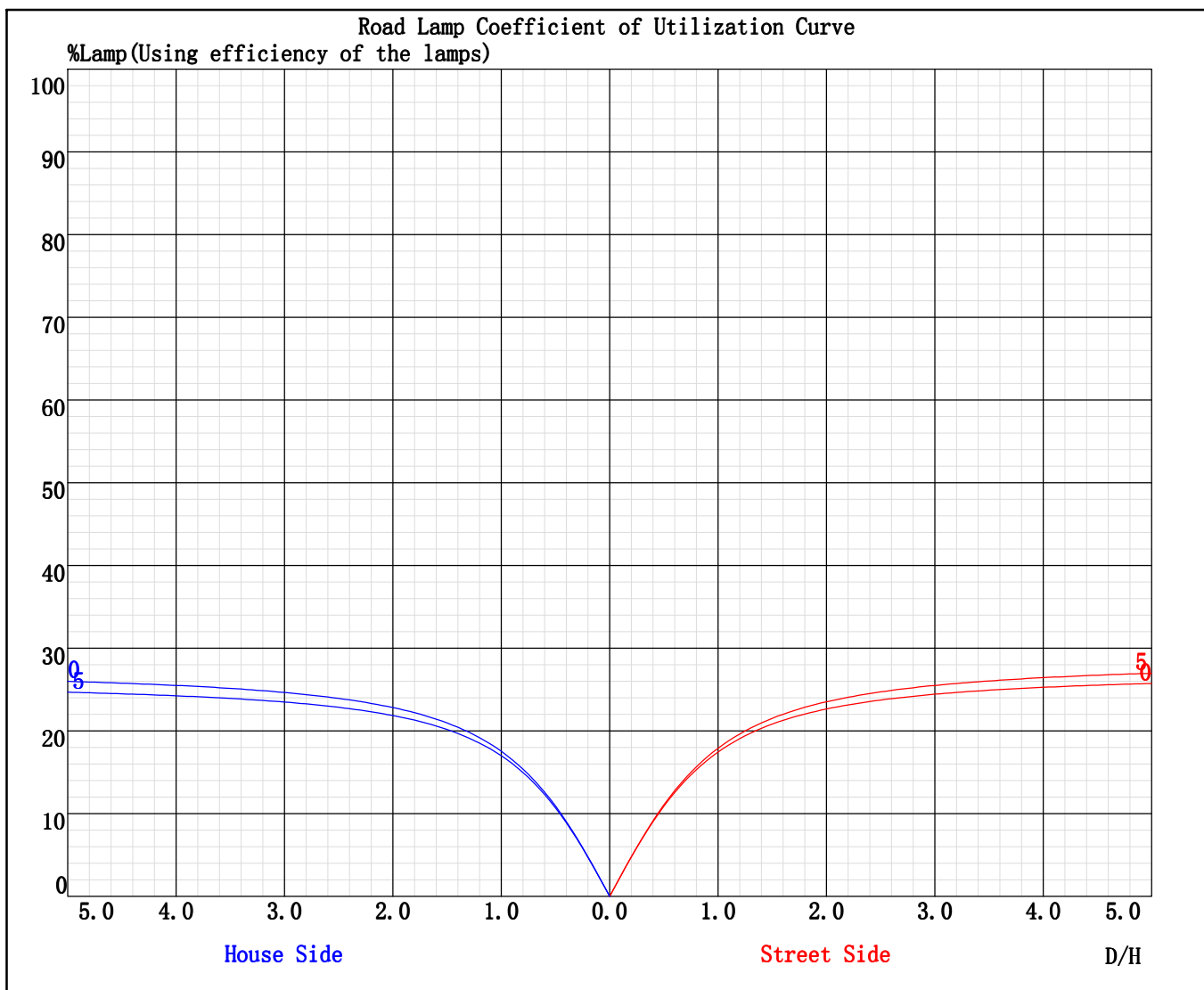
Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine: GON-2000	Test Date: 2019/08/02

Illuminance-Distance Curve



Road Coefficient of Utilization Curves

Lum. Name: SPEND15	Lum. Catalog:	Test ID: 001
Lamp Name:	Lamp Catalog:	Test Lab: Volnic IES
Manufacture:	Test Machine:GON-2000	Test Date: 2019/08/02



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

IES Road Report
Photometric Filename: SPEND15

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	468.14	468.14	468.14	468.14	468.14	468.14	468.14	468.14	468.14	468.14	468.14	468.14
Y 1.0	471.11	468.80	467.42	466.74	466.00	465.46	470.99	468.76	467.63	466.82	466.07	465.55
Y 2.0	470.99	468.67	467.26	466.40	465.77	465.35	470.99	468.71	467.62	466.55	466.00	465.55
Y 3.0	470.91	468.56	466.93	465.92	465.37	465.20	470.93	468.57	467.38	466.31	465.72	465.47
Y 4.0	470.83	468.38	466.44	465.33	464.89	465.01	470.87	468.44	467.03	465.78	465.40	465.32
Y 5.0	470.90	468.24	465.83	464.62	464.29	464.62	470.88	468.26	466.48	465.27	464.80	465.13
Y 6.0	470.70	467.85	465.14	463.76	463.58	464.24	470.81	467.92	465.98	464.51	464.24	464.77
Y 7.0	470.59	467.48	464.24	462.82	462.77	463.80	470.62	467.61	465.33	463.59	463.60	464.46
Y 8.0	470.45	467.07	463.34	461.58	461.79	463.46	470.37	467.16	464.49	462.61	462.72	464.05
Y 9.0	470.30	466.68	462.27	460.26	460.78	463.04	470.25	466.81	463.62	461.44	461.79	463.57
Y 10.0	469.95	466.07	461.18	458.84	459.56	462.31	469.90	466.32	462.67	459.96	460.71	463.08
Y 11.0	469.86	465.64	459.89	457.36	458.32	461.67	469.53	465.76	461.51	458.63	459.57	462.48
Y 12.0	469.84	464.96	458.52	455.64	456.96	461.00	469.27	465.10	460.29	457.05	458.25	461.86
Y 13.0	469.74	464.39	457.09	453.69	455.40	460.34	469.29	464.57	459.01	455.33	456.92	461.21
Y 14.0	469.51	464.02	455.51	451.76	453.79	459.88	469.14	463.98	457.63	453.43	455.45	460.65
Y 15.0	469.23	463.48	453.79	449.62	452.09	459.32	468.81	463.52	456.08	451.43	453.75	460.05
Y 16.0	468.92	462.73	451.95	447.36	450.23	458.59	468.54	462.99	454.42	449.24	452.04	459.47
Y 17.0	468.41	461.90	450.13	444.85	448.31	457.60	468.18	462.10	452.55	446.81	450.18	458.61
Y 18.0	467.96	461.05	448.15	442.43	446.26	456.60	467.62	461.25	450.73	444.36	448.16	457.71
Y 19.0	467.40	460.04	446.00	439.77	444.03	455.64	466.93	460.41	448.80	441.92	446.17	456.76
Y 20.0	466.76	458.96	443.77	436.75	441.77	454.40	466.33	459.27	446.66	439.14	443.96	455.67
Y 21.0	466.02	457.75	441.44	433.81	439.46	453.06	465.57	458.15	444.45	436.24	441.72	454.37
Y 22.0	465.19	456.57	439.23	430.72	437.05	451.72	464.77	456.89	442.21	433.36	439.28	453.18
Y 23.0	464.40	455.28	436.86	427.42	434.58	450.38	463.99	455.69	440.06	430.13	436.77	451.90
Y 24.0	463.59	453.89	434.41	424.11	432.08	448.94	463.17	454.32	437.68	426.95	434.26	450.53
Y 25.0	462.72	452.55	431.67	420.69	429.42	447.37	462.28	452.86	435.13	423.52	431.73	449.20
Y 26.0	461.74	451.00	428.88	417.03	426.44	445.66	461.31	451.41	432.47	419.98	429.13	447.60
Y 27.0	460.80	449.36	425.95	413.18	423.53	444.01	460.35	449.86	429.70	416.34	426.27	445.95
Y 28.0	459.73	447.77	422.95	409.30	420.35	442.29	459.32	448.32	426.83	412.50	423.36	444.29
Y 29.0	458.62	446.06	419.80	405.28	417.10	440.59	458.28	446.61	423.72	408.52	420.11	442.50
Y 30.0	457.49	444.33	416.60	401.22	413.80	438.87	457.10	444.75	420.69	404.46	416.89	440.75
Y 31.0	456.36	442.50	413.26	396.85	410.41	436.82	455.88	442.99	417.36	400.33	413.61	438.85
Y 32.0	455.11	440.64	409.66	392.47	406.82	434.87	454.66	441.15	414.08	395.98	410.17	436.95
Y 33.0	453.76	438.65	406.07	387.87	403.19	432.70	453.39	439.20	410.61	391.55	406.60	434.93
Y 34.0	452.30	436.61	402.36	383.31	399.48	430.66	452.01	437.21	407.08	387.01	402.90	432.85
Y 35.0	450.93	434.54	398.57	378.34	395.52	428.43	450.61	435.08	403.40	382.16	399.08	430.65
Y 36.0	449.46	432.36	394.69	373.54	391.60	426.24	449.00	432.95	399.63	377.43	395.12	428.46
Y 37.0	447.95	430.07	390.74	368.54	387.43	423.84	447.52	430.80	395.69	372.59	391.06	426.31
Y 38.0	446.30	427.77	386.61	363.30	383.30	421.52	445.86	428.52	391.84	367.56	387.02	423.92
Y 39.0	444.58	425.39	382.39	357.98	379.01	419.00	444.13	426.19	387.74	362.33	382.88	421.41
Y 40.0	442.85	422.90	378.09	352.57	374.56	416.33	442.45	423.71	383.62	357.00	378.56	418.90
Y 41.0	441.05	420.36	373.91	347.11	370.15	413.84	440.65	421.30	379.37	351.61	374.06	416.32
Y 42.0	439.21	417.88	369.43	341.48	365.70	411.11	438.84	418.69	374.98	346.16	369.52	413.65
Y 43.0	437.28	415.18	364.98	335.77	361.04	408.47	436.85	416.07	370.56	340.51	365.05	410.94
Y 44.0	435.27	412.40	360.32	329.88	356.44	405.59	434.97	413.55	366.16	334.80	360.41	408.21
Y 45.0	433.30	409.73	355.66	323.86	351.63	402.69	432.85	410.88	361.54	329.03	355.63	405.38
Y 46.0	431.16	406.83	350.99	317.69	346.72	399.79	430.79	408.00	356.95	322.87	350.83	402.49

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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	429.08	403.88	346.18	311.54	341.90	396.76	428.60	405.11	352.11	316.81	345.95	399.46
Y 48.0	426.83	400.82	341.24	305.18	336.87	393.66	426.42	402.15	347.39	310.54	340.95	396.40
Y 49.0	424.54	397.76	336.27	298.86	331.90	390.54	424.15	399.21	342.62	304.34	336.03	393.29
Y 50.0	422.16	394.61	331.15	292.29	326.69	387.38	421.74	396.11	337.65	297.93	330.95	390.15
Y 51.0	419.68	391.48	326.06	285.54	321.44	384.05	419.33	392.97	332.77	291.45	325.75	386.89
Y 52.0	417.14	388.15	320.95	278.84	316.17	380.75	416.87	389.79	327.73	284.82	320.56	383.64
Y 53.0	414.66	384.93	315.63	272.13	310.87	377.41	414.33	386.59	322.47	277.98	315.16	380.19
Y 54.0	412.05	381.52	310.43	265.17	305.61	373.95	411.77	383.32	317.41	271.29	309.78	376.83
Y 55.0	409.31	378.06	305.01	258.31	300.06	370.54	409.02	380.02	312.15	264.28	304.20	373.41
Y 56.0	406.58	374.48	299.46	251.07	294.59	366.93	406.34	376.57	306.91	257.38	298.88	369.88
Y 57.0	403.61	370.89	293.98	243.84	289.04	363.28	403.45	373.12	301.46	250.30	293.31	366.21
Y 58.0	400.85	367.31	288.51	236.53	283.38	359.66	400.61	369.55	296.11	243.09	287.77	362.52
Y 59.0	397.80	363.64	282.89	229.22	277.81	355.89	397.66	366.01	290.62	235.81	282.00	358.80
Y 60.0	394.71	359.92	277.29	221.78	272.11	352.24	394.68	362.38	285.19	228.54	276.20	355.10
Y 61.0	391.78	356.19	271.59	214.30	266.47	348.43	391.67	358.78	279.69	221.21	270.53	351.36
Y 62.0	388.63	352.36	265.87	206.65	260.60	344.61	388.42	355.09	274.13	213.81	264.77	347.49
Y 63.0	385.32	348.48	260.09	198.94	254.83	340.76	385.35	351.33	268.56	206.15	258.98	343.64
Y 64.0	382.13	344.57	254.43	191.16	249.01	336.89	382.03	347.45	262.93	198.39	253.06	339.73
Y 65.0	378.88	340.61	248.71	183.36	243.29	332.82	378.64	343.64	257.16	190.79	247.14	335.77
Y 66.0	375.36	336.63	243.01	175.54	237.45	328.85	375.30	339.69	251.46	183.12	241.23	331.74
Y 67.0	371.90	332.67	237.28	167.62	231.58	324.92	371.90	335.79	245.86	175.38	235.41	327.65
Y 68.0	368.42	328.59	231.41	159.62	225.71	320.68	368.44	331.82	240.26	167.53	229.47	323.62
Y 69.0	364.85	324.40	225.72	151.68	219.80	316.57	365.07	327.71	234.60	159.69	223.49	319.50
Y 70.0	361.26	320.18	219.89	143.67	214.02	312.40	361.43	323.61	228.96	151.77	217.65	315.23
Y 71.0	357.61	316.02	214.20	135.75	208.44	308.20	357.76	319.52	223.32	143.68	211.67	310.99
Y 72.0	353.89	311.74	208.36	127.92	202.61	304.05	354.11	315.30	217.65	135.83	205.76	306.75
Y 73.0	350.23	307.53	202.67	119.97	197.01	299.86	350.49	311.25	212.16	127.98	199.99	302.55
Y 74.0	346.43	303.29	197.07	112.04	191.52	295.71	346.75	307.11	206.80	120.19	194.20	298.36
Y 75.0	342.58	299.11	191.62	104.12	185.97	291.57	343.02	303.01	201.37	112.34	188.58	294.20
Y 76.0	338.78	294.81	186.20	96.46	180.68	287.43	339.36	298.87	195.99	104.39	182.95	289.91
Y 77.0	335.08	290.65	180.93	88.99	175.39	283.49	335.55	294.73	190.56	96.69	177.35	285.63
Y 78.0	331.42	286.66	175.71	81.70	170.32	279.48	331.86	290.75	185.44	89.15	171.90	281.41
Y 79.0	327.80	282.77	170.61	74.53	165.28	275.69	328.25	286.81	180.41	81.79	166.73	277.46
Y 80.0	324.17	278.88	165.70	67.63	160.40	271.86	324.73	283.04	175.61	74.63	161.53	273.51
Y 81.0	320.78	275.06	161.07	61.04	155.81	268.22	321.27	279.27	170.84	67.65	156.62	269.56
Y 82.0	317.42	271.45	156.67	54.74	151.54	264.74	317.85	275.58	166.28	61.05	152.00	265.80
Y 83.0	314.33	268.11	152.71	48.96	147.58	261.57	314.65	272.21	161.98	54.65	147.43	262.31
Y 84.0	311.45	264.89	148.93	43.71	143.99	258.69	311.68	268.94	158.02	48.81	143.22	258.96
Y 85.0	308.67	262.04	145.62	38.96	140.82	255.85	308.88	265.98	154.40	43.43	139.37	255.88
Y 86.0	306.02	259.49	142.73	35.02	138.16	253.58	306.32	263.30	151.20	38.63	135.90	253.03
Y 87.0	303.76	257.12	140.24	31.84	136.09	251.39	304.01	260.92	148.32	34.56	132.93	250.17
Y 88.0	301.87	255.06	138.37	29.66	134.44	249.56	301.98	258.86	145.97	31.14	130.38	247.08
Y 89.0	300.18	253.53	136.98	28.55	133.57	248.36	300.12	257.05	144.25	28.78	128.43	243.95
Y 90.0	299.58	252.72	136.68	28.55	133.66	248.58	299.30	256.06	142.91	27.46	127.02	240.87
Y 91.0	300.04	253.18	136.93	29.57	134.13	248.97	299.53	256.30	142.74	27.40	126.47	239.01
Y 92.0	300.61	253.65	137.84	31.57	135.34	249.67	299.92	256.67	143.11	28.22	125.74	237.43
Y 93.0	301.42	254.63	139.42	34.42	137.04	250.87	300.60	257.47	144.02	30.04	123.40	236.22

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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	302.79	256.07	141.42	37.78	139.30	252.63	301.76	258.78	145.63	32.46	122.91	235.91
Y 95.0	304.46	257.96	143.83	41.61	141.92	254.72	303.39	260.53	147.73	35.76	122.88	236.12
Y 96.0	306.62	260.27	146.65	45.00	144.92	257.05	305.42	262.69	150.34	39.04	124.38	237.02
Y 97.0	309.01	262.77	149.83	48.31	147.87	259.68	307.66	265.15	153.37	42.46	125.08	238.71
Y 98.0	311.49	265.66	153.11	51.83	151.26	262.44	310.14	267.93	156.48	46.20	126.19	241.80
Y 99.0	314.31	268.63	156.37	55.63	154.97	265.54	312.82	270.88	159.73	50.09	129.48	246.04
Y 100.0	317.19	271.76	159.76	59.50	158.83	268.63	315.72	274.02	163.31	54.40	132.89	250.24
Y 101.0	320.14	274.73	163.23	63.29	162.46	271.58	318.80	277.39	167.19	58.66	137.58	253.72
Y 102.0	323.01	277.40	164.16	67.26	163.71	274.23	321.89	280.34	171.12	62.95	142.57	256.60
Y 103.0	325.66	279.14	166.60	71.39	166.57	275.29	324.86	282.86	172.91	67.07	146.57	258.99
Y 104.0	328.33	278.26	169.61	76.65	169.15	274.02	327.38	283.98	175.25	71.29	149.51	258.56
Y 105.0	330.56	276.67	169.77	82.28	169.63	272.66	330.05	283.09	178.35	75.31	153.57	255.78
Y 106.0	331.48	277.23	171.52	87.02	172.55	273.33	332.17	280.99	179.47	79.82	155.85	253.10
Y 107.0	331.88	278.83	175.80	91.62	177.42	275.65	333.17	280.97	181.94	84.25	158.12	253.98
Y 108.0	334.54	281.35	181.00	95.69	182.90	278.98	334.28	284.22	186.44	88.50	163.15	257.27
Y 109.0	337.38	284.00	185.94	99.92	187.85	282.10	336.30	288.61	191.80	92.40	168.94	260.62
Y 110.0	340.33	286.32	190.84	104.44	192.68	285.27	338.89	292.06	197.05	96.21	174.28	263.72
Y 111.0	343.23	288.74	194.74	109.37	196.43	288.29	341.86	295.09	202.09	100.10	179.05	266.84
Y 112.0	346.02	291.52	198.35	113.56	200.40	291.14	344.92	298.03	207.16	104.43	182.96	270.21
Y 113.0	348.87	294.17	202.59	117.59	205.22	293.80	348.34	300.77	211.27	108.71	187.42	273.29
Y 114.0	351.63	298.13	207.27	121.58	210.33	298.19	351.72	303.47	214.79	112.80	192.48	276.77
Y 115.0	354.35	303.08	211.91	125.60	215.48	303.59	354.42	307.28	218.98	116.92	197.79	282.01
Y 116.0	356.92	307.80	215.91	129.40	220.43	308.88	357.15	312.20	223.86	120.79	202.89	287.10
Y 117.0	359.56	311.28	218.54	133.01	225.36	312.77	360.02	317.16	228.87	124.74	207.55	291.24
Y 118.0	362.06	314.36	220.07	136.40	230.24	316.33	362.92	321.03	233.68	128.49	210.53	294.78
Y 119.0	364.74	317.26	222.41	139.60	235.17	319.86	366.03	324.51	238.74	132.53	211.79	298.37
Y 120.0	367.18	320.11	223.46	142.77	239.50	323.09	368.79	327.72	243.75	135.83	212.26	302.09
Y 121.0	369.60	322.71	223.57	145.85	243.05	326.38	371.35	330.95	248.68	138.90	212.16	305.46
Y 122.0	372.02	325.46	222.59	148.74	246.09	329.44	373.76	334.16	253.43	141.87	211.35	309.00
Y 123.0	374.49	328.03	221.23	151.54	249.14	331.98	376.14	337.26	257.38	145.37	210.35	312.09
Y 124.0	376.91	330.13	219.68	154.17	252.22	334.08	378.39	340.15	260.77	148.93	209.52	314.76
Y 125.0	379.39	332.19	218.40	156.74	255.18	336.10	380.61	342.51	263.69	152.21	208.97	317.12
Y 126.0	381.73	333.92	217.35	159.41	258.40	338.57	382.85	344.62	266.51	155.23	208.93	319.71
Y 127.0	383.81	335.21	217.84	162.06	261.50	341.38	384.76	346.80	269.39	158.46	209.44	322.28
Y 128.0	384.84	335.98	220.37	164.66	265.50	344.25	386.00	349.47	272.38	161.51	211.77	324.34
Y 129.0	385.70	337.02	223.41	166.96	270.22	346.89	386.72	352.34	275.27	164.75	214.10	326.24
Y 130.0	386.88	338.01	225.72	169.19	275.01	349.57	387.35	354.97	278.40	167.77	215.86	327.80
Y 131.0	388.52	338.28	227.07	171.63	279.85	352.16	388.68	357.71	282.60	170.73	217.29	328.14
Y 132.0	390.10	338.25	228.24	174.19	284.77	354.57	390.46	360.31	287.24	173.57	218.69	327.03
Y 133.0	391.54	337.89	229.30	176.66	289.68	357.02	392.08	362.69	291.76	176.50	219.49	324.75
Y 134.0	393.05	336.51	229.98	179.16	294.26	359.35	393.59	365.02	296.16	179.38	219.24	321.84
Y 135.0	394.61	333.65	230.05	181.59	298.12	361.55	395.20	367.20	300.77	182.32	219.39	318.63
Y 136.0	396.02	330.21	229.47	184.01	301.77	363.76	396.73	369.38	305.21	185.20	218.95	315.55
Y 137.0	397.01	326.61	228.71	186.24	305.24	365.86	397.98	371.50	309.23	188.06	218.07	312.55
Y 138.0	397.50	322.27	227.23	188.49	308.34	367.47	399.09	373.23	312.79	190.84	216.68	309.07
Y 139.0	398.14	317.70	225.59	190.70	311.15	368.77	400.08	374.60	315.87	193.63	215.93	305.48
Y 140.0	399.01	313.84	224.14	193.07	314.02	370.17	400.97	375.80	318.58	196.59	214.89	302.94

IES Road Report
Photometric Filename: SPEND15

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 141.0	399.79	310.91	222.97	198.34	316.83	371.32	401.89	376.95	321.15	200.51	213.97	301.30
Y 142.0	399.79	308.18	222.02	204.73	319.66	372.51	402.25	377.99	323.70	205.71	213.27	299.45
Y 143.0	399.75	305.65	221.61	211.13	322.44	373.29	402.12	378.90	326.28	211.43	212.99	296.84
Y 144.0	399.87	303.94	222.80	217.82	324.98	374.55	402.10	379.54	328.91	217.37	214.07	294.14
Y 145.0	400.20	302.69	224.28	224.52	327.13	376.13	401.95	380.49	331.42	223.50	215.64	293.42
Y 146.0	400.27	302.31	226.54	231.03	328.92	377.55	401.62	381.84	333.76	229.69	217.79	294.26
Y 147.0	400.27	303.26	230.01	235.81	330.51	379.40	401.10	383.23	335.54	235.91	221.02	297.75
Y 148.0	401.23	304.99	232.04	240.24	331.86	381.59	400.71	385.12	337.50	241.84	222.48	302.04
Y 149.0	402.26	306.13	231.66	244.64	330.41	383.86	400.71	387.17	339.42	247.85	222.28	306.20
Y 150.0	402.96	307.11	229.87	249.03	327.23	385.42	400.39	389.33	341.16	253.94	221.94	309.15
Y 151.0	403.70	306.45	227.37	253.46	321.73	386.53	400.39	390.86	340.36	260.00	221.25	311.60
Y 152.0	404.53	305.52	224.95	258.00	315.85	387.64	400.76	392.05	336.70	266.14	220.03	313.29
Y 153.0	404.84	304.69	222.28	262.53	309.94	388.69	400.98	392.65	330.30	272.24	218.04	313.83
Y 154.0	404.03	304.24	218.64	267.93	303.81	389.56	400.51	393.17	323.96	277.65	215.17	313.76
Y 155.0	402.32	304.70	214.69	273.89	297.20	389.91	399.99	393.73	317.44	282.45	211.54	313.28
Y 156.0	400.70	303.87	210.45	279.22	290.10	390.14	399.17	393.89	310.67	286.60	207.35	311.38
Y 157.0	398.38	302.61	206.27	284.78	282.41	389.70	398.53	393.53	303.48	290.72	202.80	308.09
Y 158.0	397.10	301.41	202.84	290.17	274.51	388.60	397.64	392.72	295.82	294.86	199.32	305.14
Y 159.0	395.55	300.72	202.41	295.94	266.68	386.50	396.55	391.45	287.64	299.18	198.60	303.22
Y 160.0	392.21	299.62	203.05	302.14	260.35	383.78	395.21	390.17	278.80	303.34	200.21	301.37
Y 161.0	390.07	289.83	208.01	308.05	255.83	377.01	393.48	387.79	269.67	307.69	204.64	293.99
Y 162.0	388.02	278.76	219.07	313.55	253.45	363.98	391.73	378.99	262.92	312.24	215.41	281.46
Y 163.0	381.01	267.77	230.95	319.15	254.93	348.27	388.82	363.46	258.93	317.47	226.84	270.53
Y 164.0	361.69	255.36	243.34	324.64	262.35	332.94	376.40	347.49	257.53	323.18	238.79	258.77
Y 165.0	341.74	241.42	256.08	329.99	272.43	317.31	354.60	331.82	260.93	328.74	251.12	245.68
Y 166.0	319.65	226.86	268.93	335.11	282.48	301.87	330.57	315.52	270.22	334.02	263.98	233.34
Y 167.0	294.89	212.55	282.35	339.97	292.29	286.45	305.95	298.96	280.50	339.12	277.69	219.06
Y 168.0	270.58	204.32	296.85	344.60	301.99	270.78	287.52	281.61	290.74	343.95	292.28	206.43
Y 169.0	253.54	203.89	311.98	348.87	312.00	261.40	276.01	266.87	301.02	348.56	307.50	202.23
Y 170.0	246.39	217.97	327.64	353.05	322.77	264.00	263.80	260.96	311.04	352.90	322.93	212.57
Y 171.0	249.73	234.29	340.98	357.01	333.75	280.27	256.90	269.72	321.34	356.86	337.73	229.19
Y 172.0	258.53	254.18	348.07	361.05	345.43	296.83	260.15	286.66	332.30	360.68	347.51	249.11
Y 173.0	266.76	277.53	354.10	364.99	357.58	312.50	270.30	302.48	344.73	364.57	353.70	270.83
Y 174.0	275.65	303.50	360.10	368.75	367.32	328.71	279.76	317.47	357.58	368.27	359.87	294.88
Y 175.0	284.61	328.18	365.41	372.78	372.49	346.38	288.97	333.97	368.46	371.75	365.35	320.45
Y 176.0	292.70	340.35	370.27	376.50	375.64	363.38	298.20	352.86	373.53	375.29	370.61	339.86
Y 177.0	292.15	351.24	374.97	379.78	378.64	368.20	297.51	366.58	376.52	378.42	375.48	351.24
Y 178.0	285.16	359.59	378.75	382.77	380.76	371.11	277.62	369.10	379.64	381.25	379.55	360.54
Y 179.0	267.44	366.28	381.43	384.93	382.48	372.95	264.98	370.06	382.11	383.71	382.62	367.21
Y 180.0	344.09	344.09	344.09	344.09	344.09	344.09	344.09	344.09	344.09	344.09	344.09	344.09