

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00558_M-65L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 5/4/2017
[UPDATE] 5/18/2017
[LUMINAIRE] Prismatic Pendant Series LX Series
[LUMCAT] PA1611LEDLX-65L-35K-EX-xx-FR1611-CL16-xx-MW
[OTHER] Upper Refractor: FR1611 - Frosted Clear Acrylic
[OTHER] Lower Lens: CL16 Clear Prismatic Acrylic
[OTHER] Refractor and Lens engineered for LED
[OTHER] 126.7 Degree Beam Angle
[OTHER] 76% of Lumens Delivered within 20-70 Deg. Zone
[OTHER] 6% Uplight component
[OTHER] Matte White finish
[LAMP] N/A, 85+ CRI
[LAMPCAT] N/A
[OTHER] Total Luminaire Watts is approximate
[OTHER] Data based on a 60 Deg. C. case temp.
[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959
[OTHER] This report prepared by Spectrum Lighting, scaled from 130L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6138
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	54.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	3.02
Spacing Criterion (90-270)	3.02
Spacing Criterion (Diagonal)	2.70
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.34 ft (Diameter)
Luminous Width (90-270)	1.34 ft (Diameter)
Luminous Height	0.23 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12926	12926	12926
55	12653	12653	12653
65	11018	11018	11018
75	8139	8139	8139
85	5681	5681	5681

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	410.947	410.947	410.947	410.947	410.947	410.947	410.947	410.947	410.947	410.947
5	451.413	451.413	451.413	451.413	451.413	451.413	451.413	451.413	451.413	451.413
10	562.683	562.683	562.683	562.683	562.683	562.683	562.683	562.683	562.683	562.683
15	763.032	763.032	763.032	763.032	763.032	763.032	763.032	763.032	763.032	763.032
20	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654
25	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878
30	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016
35	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537
40	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717
45	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513
50	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994
55	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063
60	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494
65	899.100	899.100	899.100	899.100	899.100	899.100	899.100	899.100	899.100	899.100
70	693.346	693.346	693.346	693.346	693.346	693.346	693.346	693.346	693.346	693.346
75	502.746	502.746	502.746	502.746	502.746	502.746	502.746	502.746	502.746	502.746
80	343.975	343.975	343.975	343.975	343.975	343.975	343.975	343.975	343.975	343.975
85	227.550	227.550	227.550	227.550	227.550	227.550	227.550	227.550	227.550	227.550
90	148.243	148.243	148.243	148.243	148.243	148.243	148.243	148.243	148.243	148.243
95	101.484	101.484	101.484	101.484	101.484	101.484	101.484	101.484	101.484	101.484
100	82.599	82.599	82.599	82.599	82.599	82.599	82.599	82.599	82.599	82.599
105	76.475	76.475	76.475	76.475	76.475	76.475	76.475	76.475	76.475	76.475
110	72.047	72.047	72.047	72.047	72.047	72.047	72.047	72.047	72.047	72.047
115	68.147	68.147	68.147	68.147	68.147	68.147	68.147	68.147	68.147	68.147
120	60.463	60.463	60.463	60.463	60.463	60.463	60.463	60.463	60.463	60.463
125	51.421	51.421	51.421	51.421	51.421	51.421	51.421	51.421	51.421	51.421
130	43.151	43.151	43.151	43.151	43.151	43.151	43.151	43.151	43.151	43.151
135	35.209	35.209	35.209	35.209	35.209	35.209	35.209	35.209	35.209	35.209
140	27.828	27.828	27.828	27.828	27.828	27.828	27.828	27.828	27.828	27.828
145	21.163	21.163	21.163	21.163	21.163	21.163	21.163	21.163	21.163	21.163
150	16.313	16.313	16.313	16.313	16.313	16.313	16.313	16.313	16.313	16.313
155	13.695	13.695	13.695	13.695	13.695	13.695	13.695	13.695	13.695	13.695
160	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500	14.500
165	17.058	17.058	17.058	17.058	17.058	17.058	17.058	17.058	17.058	17.058
170	18.818	18.818	18.818	18.818	18.818	18.818	18.818	18.818	18.818	18.818
175	20.844	20.844	20.844	20.844	20.844	20.844	20.844	20.844	20.844	20.844
180	22.806	22.806	22.806	22.806	22.806	22.806	22.806	22.806	22.806	22.806

Vert. Angles Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	410.947	410.947	410.947	410.947	410.947	410.947	410.947
5	451.413	451.413	451.413	451.413	451.413	451.413	451.413
10	562.683	562.683	562.683	562.683	562.683	562.683	562.683
15	763.032	763.032	763.032	763.032	763.032	763.032	763.032
20	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654	1065.654
25	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878	1317.878
30	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016	1474.016
35	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537	1557.537
40	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717	1551.717
45	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513	1464.513
50	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994	1358.994
55	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063	1252.063
60	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494	1098.494

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES****CANDELA TABULATION - (Cont.)**

65	899.100	899.100	899.100	899.100	899.100	899.100	899.100
70	693.346	693.346	693.346	693.346	693.346	693.346	693.346
75	502.746	502.746	502.746	502.746	502.746	502.746	502.746
80	343.975	343.975	343.975	343.975	343.975	343.975	343.975
85	227.550	227.550	227.550	227.550	227.550	227.550	227.550
90	148.243	148.243	148.243	148.243	148.243	148.243	148.243
95	101.484	101.484	101.484	101.484	101.484	101.484	101.484
100	82.599	82.599	82.599	82.599	82.599	82.599	82.599
105	76.475	76.475	76.475	76.475	76.475	76.475	76.475
110	72.047	72.047	72.047	72.047	72.047	72.047	72.047
115	68.147	68.147	68.147	68.147	68.147	68.147	68.147
120	60.463	60.463	60.463	60.463	60.463	60.463	60.463
125	51.421	51.421	51.421	51.421	51.421	51.421	51.421
130	43.151	43.151	43.151	43.151	43.151	43.151	43.151
135	35.209	35.209	35.209	35.209	35.209	35.209	35.209
140	27.828	27.828	27.828	27.828	27.828	27.828	27.828
145	21.163	21.163	21.163	21.163	21.163	21.163	21.163
150	16.313	16.313	16.313	16.313	16.313	16.313	16.313
155	13.695	13.695	13.695	13.695	13.695	13.695	13.695
160	14.500	14.500	14.500	14.500	14.500	14.500	14.500
165	17.058	17.058	17.058	17.058	17.058	17.058	17.058
170	18.818	18.818	18.818	18.818	18.818	18.818	18.818
175	20.844	20.844	20.844	20.844	20.844	20.844	20.844
180	22.806	22.806	22.806	22.806	22.806	22.806	22.806

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	275.94	N.A.	4.50
0-30	879.24	N.A.	14.30
0-40	1844.41	N.A.	30.00
0-60	4084.48	N.A.	66.50
0-80	5512.52	N.A.	89.80
0-90	5770.71	N.A.	94.00
10-90	5724.13	N.A.	93.30
20-40	1568.48	N.A.	25.60
20-50	2697.49	N.A.	43.90
40-70	3128.9	N.A.	51.00
60-80	1428.03	N.A.	23.30
70-80	539.20	N.A.	8.80
80-90	258.19	N.A.	4.20
90-110	199.78	N.A.	3.30
90-120	266.55	N.A.	4.30
90-130	312.97	N.A.	5.10
90-150	354.17	N.A.	5.80
90-180	367.59	N.A.	6.00
110-180	167.81	N.A.	2.70
0-180	6138.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.59
10-20	229.35
20-30	603.30
30-40	965.17
40-50	1129.01
50-60	1111.06
60-70	888.84
70-80	539.20
80-90	258.19
90-100	118.40
100-110	81.39
110-120	66.76
120-130	46.42
130-140	27.51
140-150	13.69
150-160	6.75
160-170	4.73
170-180	1.94

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

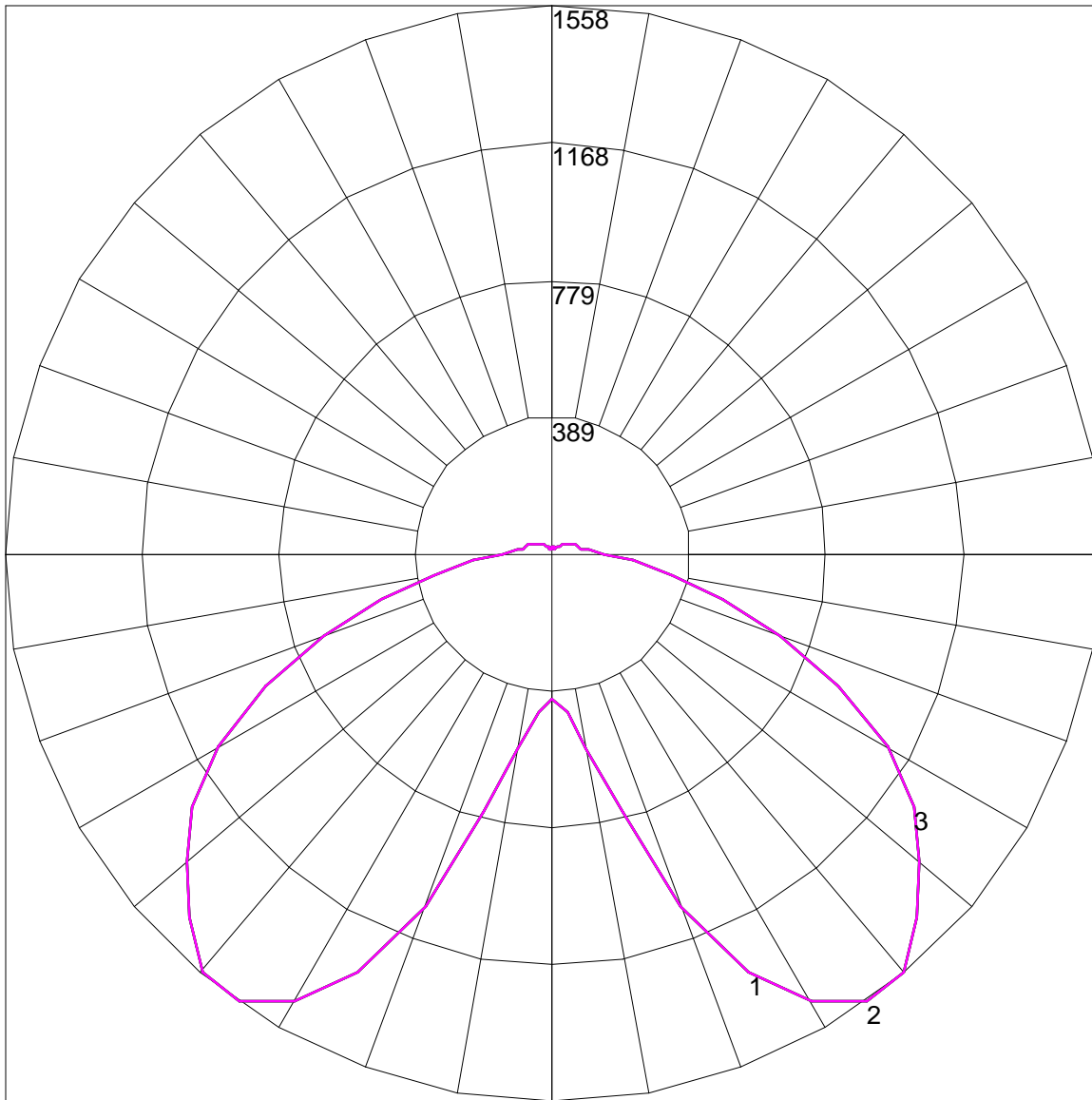
Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	105	100	95	90	102	97	92	88	91	88	84	86	83	81	82	79	77	74
2	94	85	77	71	91	83	75	69	78	72	67	74	69	64	70	66	62	59
3	85	73	64	57	82	71	63	56	67	60	54	63	57	52	60	55	51	48
4	77	64	54	46	74	62	53	46	58	51	44	55	48	43	52	47	42	39
5	70	56	46	39	67	54	45	38	51	43	37	49	42	36	46	40	35	33
6	64	49	40	33	61	48	39	32	45	37	31	43	36	31	41	35	30	27
7	59	44	34	28	56	43	34	27	41	33	27	39	32	26	37	30	26	23
8	54	40	30	24	52	39	30	24	37	29	23	35	28	23	33	27	22	20
9	50	36	27	21	48	35	26	21	33	26	20	32	25	20	30	24	19	17
10	47	33	24	18	45	32	24	18	30	23	18	29	22	18	28	22	17	15

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00558 ~ PA1611LEDLX-65L35KEX-FR1611CL16-XXMW.IES

POLAR GRAPH



Maximum Candela = 1557.537 Located At Horizontal Angle = 0, Vertical Angle = 35

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)