

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00569_2 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16NLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00569_2_M-55L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 7/11/2017

[UPDATE] 7/21/2017

[LUMINAIRE] Nominal 16" Diameter x 16.5" H Prismatic Low Bay Luminaire

[LUMCAT] PRDCH16SLEDGV-55L35K-EX-xx-SR16-NL-MW

[OTHER] Acrylic Refractor / No Lens

[OTHER] 79.9 Degree Beam Angle

[LAMP] N/A

[LAMPCAT] N/A, Min. 85 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 50K x 1.06, 40K x 1.03, 30K x 0.985, 27K x 0.971

[OTHER] This report prepared by Spectrum Lighting, scaled from 60L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5423
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	139
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.36 ft (Diameter)
Luminous Width (90-270)	1.36 ft (Diameter)
Luminous Height	0.71 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_2 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6553	6523	6709
55	5066	5123	5136
65	4428	4465	4803
75	1158	1156	1216
85	221	232	225

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1922.016	1922.016	1922.016	1922.016	1922.016
5	1918.832	1918.482	1923.857	1923.148	1923.147
10	1908.877	1913.398	1917.669	1916.906	1914.841
15	1896.925	1895.494	1909.373	1912.056	1908.555
20	2132.836	2100.457	2155.898	2173.644	2103.836
25	2583.507	2661.087	2591.305	2614.553	2594.320
30	2283.700	2260.872	2312.852	2368.540	2369.625
35	1749.059	1727.808	1762.227	1754.562	1729.146
40	1427.536	1437.707	1422.798	1425.623	1464.697
45	1040.762	1007.374	1036.108	1044.007	1065.643
50	801.246	799.657	801.422	794.123	797.876
55	764.066	764.073	772.673	774.019	774.695
60	795.442	807.588	800.792	802.594	798.924
65	612.164	612.865	617.231	634.593	663.991
70	314.269	288.138	316.910	324.024	319.987
75	140.617	139.320	140.414	143.608	147.701
80	55.095	50.001	55.677	56.238	55.267
85	22.301	21.262	23.470	22.393	22.722
90	17.227	16.920	18.740	17.896	17.862
95	17.238	17.794	19.038	19.178	16.597
100	21.419	22.321	23.406	23.403	22.263
105	27.298	25.284	27.566	26.871	28.967
110	21.828	22.686	22.269	23.370	21.570
115	16.693	17.786	17.429	19.144	18.281
120	16.028	15.539	17.339	17.741	17.707
125	16.176	14.903	17.456	16.642	17.354
130	15.002	14.454	18.286	17.955	18.985
135	14.707	14.640	17.711	19.039	20.169
140	14.705	14.437	16.187	16.732	19.766
145	10.918	10.128	12.920	12.772	15.664
150	7.870	9.680	9.804	11.129	11.867
155	6.942	8.215	8.688	11.070	11.591
160	7.887	8.785	8.751	10.377	10.579
165	8.344	8.797	8.979	8.650	10.019
170	9.126	9.140	9.557	9.829	9.761
175	10.837	10.201	10.695	9.307	10.412
180	11.011	11.011	11.011	11.011	11.011

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Zone	Lumens	%Lamp	%Fixt
0-20	742.91	N.A.	13.70
0-30	1865.25	N.A.	34.40
0-40	2993.97	N.A.	55.20
0-60	4526.02	N.A.	83.50
0-80	5281.42	N.A.	97.40
0-90	5313.26	N.A.	98.00
10-90	5130.06	N.A.	94.60
20-40	2251.06	N.A.	41.50
20-50	3078.64	N.A.	56.80
40-70	2116.45	N.A.	39.00
60-80	755.40	N.A.	13.90
70-80	171.00	N.A.	3.20
80-90	31.84	N.A.	0.60
90-110	47.22	N.A.	0.90
90-120	65.94	N.A.	1.20
90-130	80.89	N.A.	1.50
90-150	102.01	N.A.	1.90
90-180	109.96	N.A.	2.00
110-180	62.74	N.A.	1.20
0-180	5423.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	183.20
10-20	559.71
20-30	1122.34
30-40	1128.72
40-50	827.57
50-60	704.47
60-70	584.40
70-80	171.00
80-90	31.84
90-100	20.99
100-110	26.23
110-120	18.71
120-130	14.95
130-140	13.07
140-150	8.04
150-160	4.41
160-170	2.59
170-180	0.96

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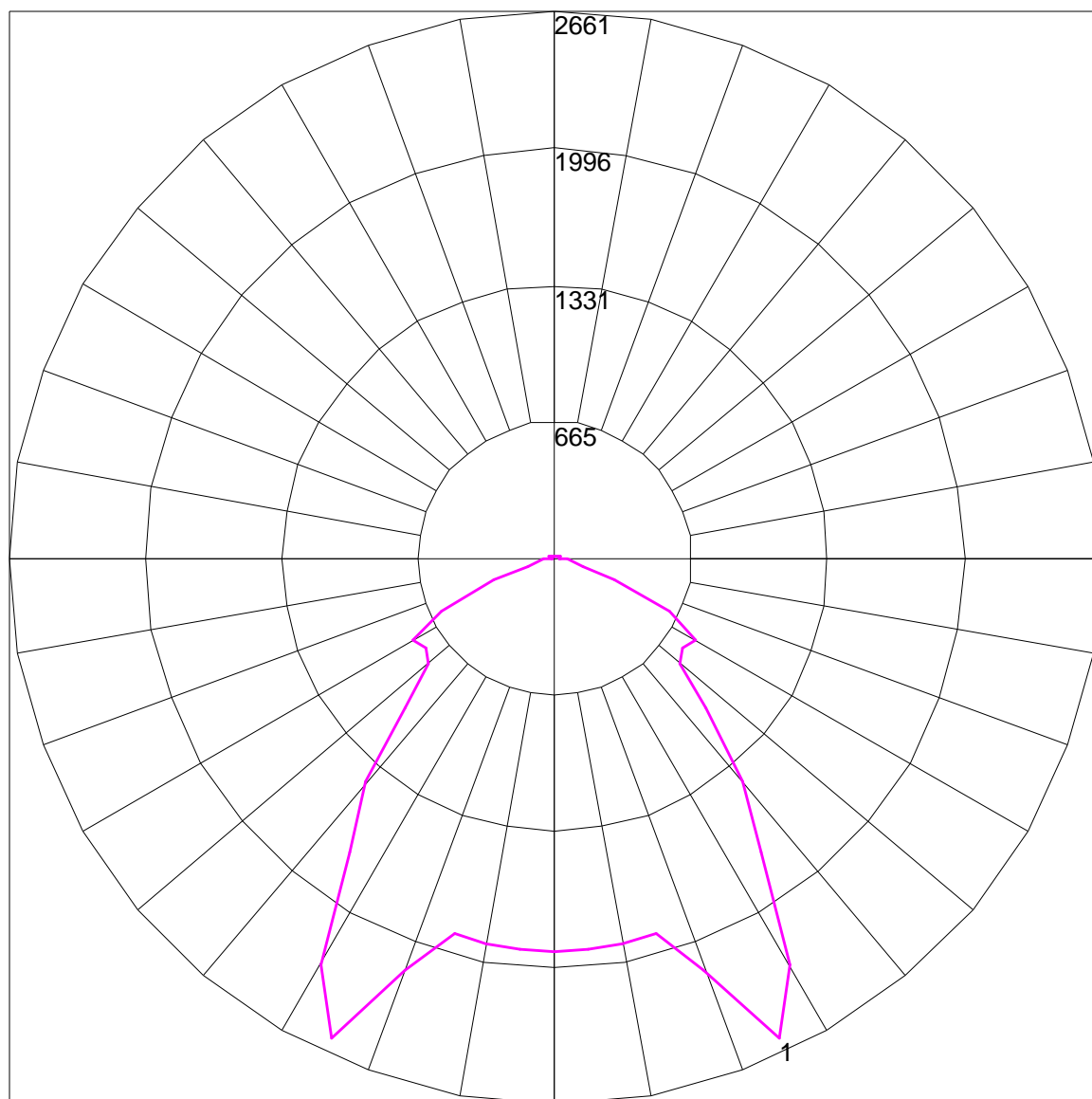
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	91	89	87	85
2	101	94	87	82	98	91	86	81	88	83	79	84	80	77	81	78	75	73
3	93	83	76	70	90	81	75	69	78	72	68	75	70	66	73	68	65	63
4	85	74	66	60	83	73	65	60	70	64	59	68	62	58	65	61	57	55
5	79	67	59	52	77	66	58	52	63	57	51	61	55	51	59	54	50	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	54	49	44	42
7	68	55	47	41	66	54	47	41	53	46	41	51	45	40	50	44	40	38
8	63	51	43	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	43	37	33	42	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30	28

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POLAR GRAPH



Maximum Candela = 2661.087 Located At Horizontal Angle = 22.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)