

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_6 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16PCMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_6_M-55L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 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-PC-MW

[OTHER] Acrylic Refractor / Clear Polycarbonate Lens

[OTHER] 69.6 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	4957
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.28
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_6 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16PCMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5414	5177	5285
55	5232	5222	5251
65	4642	4824	4737
75	1304	1274	1208
85	276	273	252

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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	1633.055	1633.055	1633.055	1633.055	1633.055
5	1633.962	1633.414	1635.740	1633.729	1636.159
10	1628.987	1631.729	1639.082	1636.140	1631.682
15	1631.083	1636.368	1637.292	1641.430	1628.666
20	1774.722	1782.178	1763.580	1777.006	1808.793
25	2070.410	2068.322	2162.979	2167.081	2138.016
30	1909.288	1901.355	1890.559	1886.617	1765.556
35	1415.215	1415.275	1382.771	1380.537	1377.879
40	1107.954	1111.423	1124.183	1126.315	1113.533
45	859.961	858.451	822.219	837.556	839.467
50	782.684	784.301	793.701	789.360	813.572
55	789.148	793.728	787.552	787.320	791.962
60	804.081	806.321	812.107	815.272	849.754
65	641.715	642.379	666.930	668.478	654.822
70	337.507	338.967	312.455	319.521	283.943
75	158.398	159.337	154.703	153.777	146.691
80	67.542	69.396	61.631	60.952	52.069
85	27.829	28.882	27.596	26.539	25.462
90	22.653	21.767	21.304	20.169	20.232
95	23.417	23.983	23.503	23.127	22.903
100	26.914	26.898	27.590	27.112	26.797
105	31.040	30.508	31.416	30.453	31.290
110	32.817	32.940	32.754	34.289	33.842
115	35.910	36.844	37.898	38.235	36.239
120	41.508	43.636	43.965	44.764	43.589
125	44.886	47.100	49.899	51.023	49.327
130	54.106	58.184	64.127	64.073	64.381
135	76.326	83.829	91.641	88.055	94.289
140	77.050	93.735	110.065	107.211	111.311
145	37.511	62.212	100.092	115.155	105.577
150	11.523	21.866	57.908	86.407	80.505
155	7.237	9.012	20.248	38.030	35.429
160	8.111	7.548	11.096	15.572	17.006
165	8.364	7.785	7.607	12.211	11.760
170	8.202	8.743	8.702	9.451	9.110
175	9.331	10.524	9.488	9.318	9.432
180	9.824	9.824	9.824	9.824	9.824

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Zone	Lumens	%Lamp	%Fixt
0-20	631.44	N.A.	12.70
0-30	1547.72	N.A.	31.20
0-40	2448.75	N.A.	49.40
0-60	3856.51	N.A.	77.80
0-80	4644.27	N.A.	93.70
0-90	4682.13	N.A.	94.50
10-90	4526.13	N.A.	91.30
20-40	1817.32	N.A.	36.70
20-50	2510.3	N.A.	50.60
40-70	2012.89	N.A.	40.60
60-80	787.76	N.A.	15.90
70-80	182.63	N.A.	3.70
80-90	37.86	N.A.	0.80
90-110	58.26	N.A.	1.20
90-120	95.82	N.A.	1.90
90-130	141.16	N.A.	2.80
90-150	258.21	N.A.	5.20
90-180	275.00	N.A.	5.50
110-180	216.75	N.A.	4.40
0-180	4957.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.00
10-20	475.44
20-30	916.28
30-40	901.04
40-50	692.98
50-60	714.78
60-70	605.13
70-80	182.63
80-90	37.86
90-100	25.95
100-110	32.30
110-120	37.56
120-130	45.34
130-140	64.93
140-150	52.12
150-160	13.07
160-170	2.83
170-180	0.90

IES INDOOR REPORT

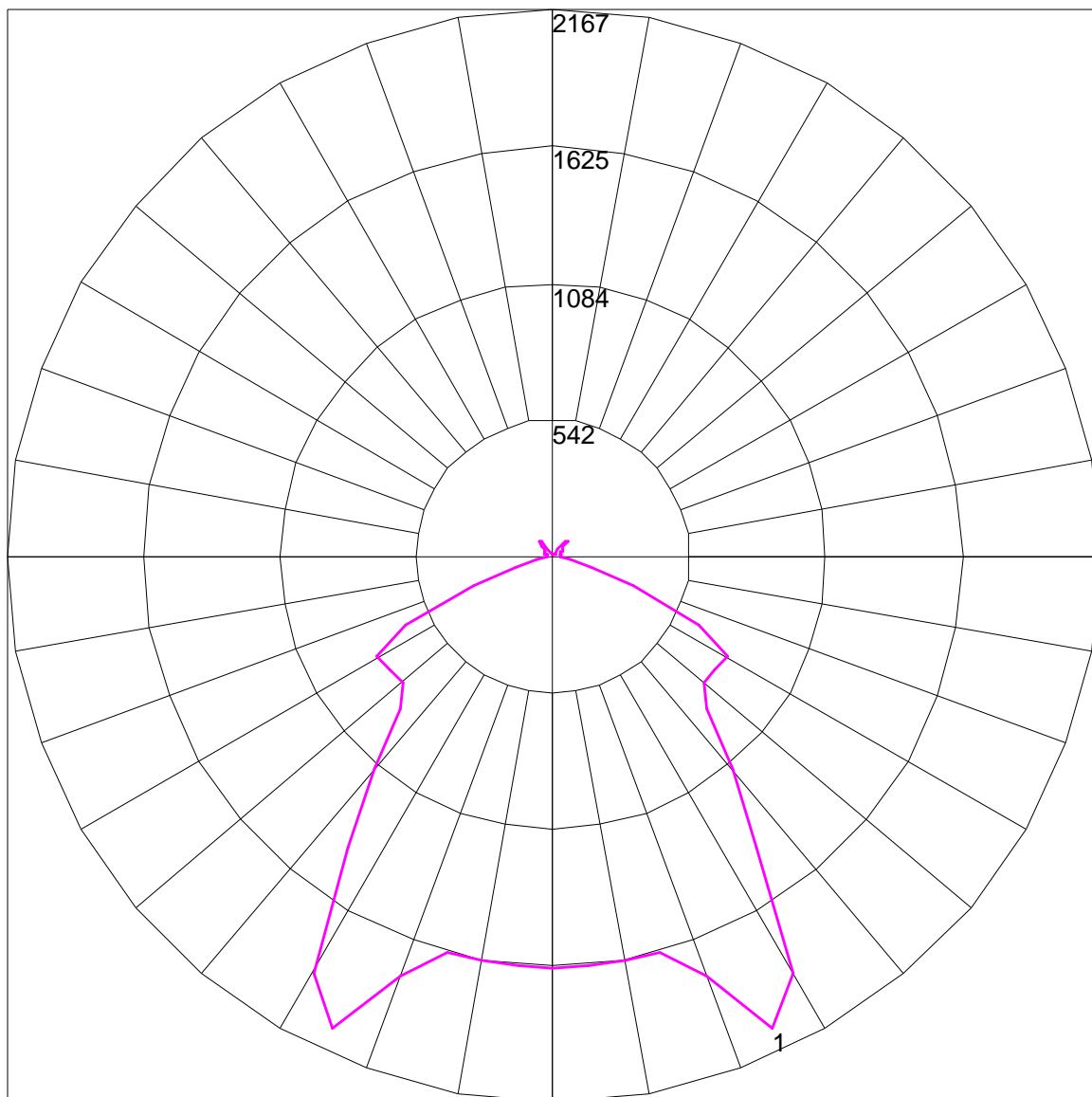
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	109	104	100	97	105	101	98	95	96	93	91	91	89	87	87	85	83	81
2	99	92	85	80	96	89	84	79	85	80	76	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	83	72	64	57	81	70	63	57	67	61	55	64	59	54	62	57	53	51
5	77	65	56	50	74	63	55	49	61	54	48	58	52	47	56	50	46	44
6	71	58	50	44	69	57	49	43	55	48	42	53	46	42	51	45	41	39
7	66	53	45	39	64	52	44	38	50	43	38	48	42	37	46	41	37	35
8	62	49	40	35	60	48	40	34	46	39	34	44	38	33	43	37	33	31
9	58	45	37	31	56	44	36	31	42	35	31	41	35	30	39	34	30	28
10	54	41	34	28	52	40	33	28	39	32	28	38	32	28	37	31	27	25

POLAR GRAPH



Maximum Candela = 2167.081 Located At Horizontal Angle = 67.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)