

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16CNMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00569_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-CN-MW
[OTHER] Acrylic Refractor / Conical Lens
[OTHER] 98.4 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	5055
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.38
Spacing Criterion (90-270)	2.28
Spacing Criterion (Diagonal)	2.16
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.36 ft (Diameter)
Luminous Width (90-270)	1.36 ft (Diameter)
Luminous Height	0.75 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7470	7343	7034
55	5446	5464	5440
65	5241	4894	3730
75	1456	1308	933
85	314	282	267

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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	564.881	564.881	564.881	564.881	564.881
5	598.930	598.331	622.148	661.367	713.970
10	819.023	803.854	855.249	974.077	1007.164
15	1170.933	1146.454	1182.280	1258.651	1359.841
20	1521.655	1517.206	1574.029	1635.534	1722.130
25	1840.427	1831.386	1898.259	1930.883	1928.742
30	1893.230	1902.697	1856.099	1867.258	1773.153
35	1612.786	1634.523	1567.854	1483.215	1459.696
40	1345.644	1348.667	1295.997	1276.096	1262.908
45	1214.499	1210.968	1193.853	1189.671	1143.679
50	1054.695	1058.314	1025.402	966.470	919.283
55	845.072	857.998	847.907	842.612	844.117
60	841.848	839.578	854.069	864.364	835.268
65	749.807	739.475	700.141	638.278	533.621
70	371.175	382.074	324.403	292.013	253.825
75	184.257	191.080	165.596	142.494	118.037
80	75.914	78.007	58.924	48.747	43.282
85	33.355	33.264	29.922	29.873	28.416
90	28.878	24.158	24.232	27.901	26.668
95	27.814	30.211	28.787	28.991	29.222
100	30.984	33.497	31.562	31.981	35.117
105	36.044	37.463	40.200	43.382	48.854
110	49.876	51.456	52.775	55.225	56.027
115	58.684	58.766	56.794	58.855	59.984
120	58.720	58.947	58.502	57.983	57.988
125	56.507	57.118	59.217	57.506	56.147
130	46.605	50.583	54.088	55.635	53.069
135	34.996	40.737	47.000	50.107	50.819
140	26.374	29.506	37.753	38.344	41.922
145	16.036	20.661	28.940	29.623	33.548
150	9.136	14.028	24.458	28.960	36.803
155	7.281	10.595	25.275	37.070	45.387
160	7.332	7.778	20.289	35.367	38.235
165	7.922	6.483	10.701	14.118	15.852
170	8.586	8.455	8.814	9.518	9.780
175	10.452	9.533	10.038	10.275	10.678
180	9.950	9.950	9.950	9.950	9.950

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Zone	Lumens	%Lamp	%Fixt
0-20	424.10	N.A.	8.40
0-30	1263.1	N.A.	25.00
0-40	2244.22	N.A.	44.40
0-60	3948.39	N.A.	78.10
0-80	4763.32	N.A.	94.20
0-90	4804.01	N.A.	95.00
10-90	4735.25	N.A.	93.70
20-40	1820.12	N.A.	36.00
20-50	2728.03	N.A.	54.00
40-70	2331.03	N.A.	46.10
60-80	814.93	N.A.	16.10
70-80	188.07	N.A.	3.70
80-90	40.69	N.A.	0.80
90-110	76.05	N.A.	1.50
90-120	132.71	N.A.	2.60
90-130	183.45	N.A.	3.60
90-150	235.36	N.A.	4.70
90-180	250.99	N.A.	5.00
110-180	174.94	N.A.	3.50
0-180	5055.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	68.76
10-20	355.35
20-30	839.00
30-40	981.11
40-50	907.92
50-60	796.25
60-70	626.86
70-80	188.07
80-90	40.69
90-100	31.85
100-110	44.20
110-120	56.66
120-130	50.74
130-140	34.58
140-150	17.33
150-160	10.87
160-170	3.84
170-180	0.92

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

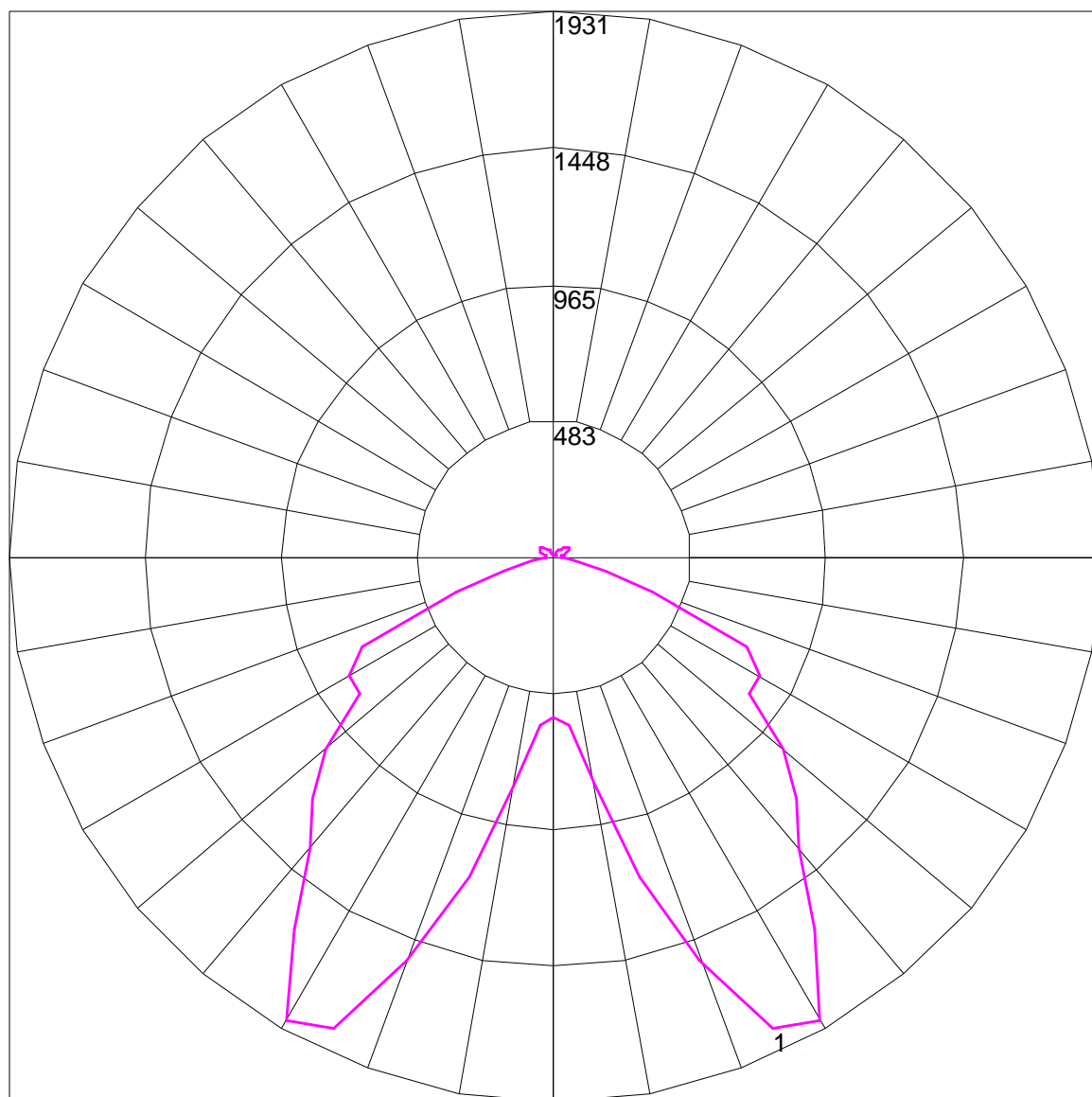
Effective Floor Cavity Reflectance 0.20

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	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	108	104	100	96	105	101	98	94	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	88	83	77	84	79	75	80	76	72	76	73	70	68
3	90	80	72	65	87	78	70	64	74	68	63	71	65	61	68	63	59	57
4	82	70	62	55	79	69	61	54	66	59	53	63	57	52	60	55	51	48
5	75	63	54	47	73	61	53	47	58	51	46	56	50	45	54	48	44	42
6	69	56	47	41	67	55	46	40	52	45	40	50	44	39	48	43	38	36
7	64	50	42	36	62	49	41	35	47	40	35	46	39	34	44	38	34	31
8	59	46	37	31	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	25
10	51	38	30	25	50	38	30	25	36	29	24	35	29	24	34	28	24	22

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POLAR GRAPH



Maximum Candela = 1930.883 Located At Horizontal Angle = 67.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)