

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_4 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16PPMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_4_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-PP-MW

[OTHER] Acrylic Refractor / Prismatic Polycarbonate Lens

[OTHER] 56.1 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	4963
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.04
Spacing Criterion (90-270)	1.04
Spacing Criterion (Diagonal)	0.94
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_4 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16PPMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4465	4381	4612
55	5835	6070	5847
65	5011	5483	5142
75	1635	1726	1580
85	560	484	525

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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	1843.747	1843.747	1843.747	1843.747	1843.747
5	1959.309	1977.193	1958.125	1953.249	1968.149
10	2151.231	2162.441	2170.461	2170.244	2168.345
15	2088.380	2082.011	2104.405	2123.446	2114.472
20	1833.908	1818.291	1866.661	1895.830	1894.204
25	1493.184	1478.264	1525.685	1545.539	1546.460
30	1025.527	1019.080	1031.580	1047.046	1058.412
35	694.444	697.013	687.344	690.188	693.192
40	567.937	593.329	547.055	523.726	539.804
45	709.176	736.316	695.885	660.100	732.563
50	893.474	881.864	913.520	875.822	892.125
55	880.061	858.829	915.564	883.669	881.919
60	871.039	847.963	924.307	893.454	912.283
65	692.680	665.731	757.977	725.841	710.840
70	376.501	366.235	409.193	379.429	357.176
75	198.539	192.577	209.589	191.450	191.898
80	107.837	101.707	99.519	88.804	94.120
85	56.582	52.439	48.902	46.327	53.016
90	38.825	39.108	38.732	38.559	34.528
95	44.455	45.954	45.761	46.705	44.233
100	58.056	59.864	59.860	59.846	61.530
105	74.097	74.472	74.288	74.147	77.564
110	90.171	89.874	92.014	95.717	97.429
115	108.182	107.848	114.248	124.137	123.499
120	134.645	134.122	143.015	159.204	158.624
125	162.640	164.804	179.247	197.632	193.701
130	186.116	188.158	215.605	236.331	231.446
135	201.165	210.079	247.340	266.696	265.117
140	179.444	207.850	255.300	271.624	269.556
145	96.593	141.289	217.069	246.709	227.804
150	26.025	49.623	131.109	178.713	168.097
155	10.004	13.252	51.732	91.243	90.060
160	8.736	7.909	16.548	34.624	40.267
165	8.451	8.697	8.709	13.120	16.817
170	9.306	8.485	8.313	9.210	8.911
175	9.178	10.348	8.299	8.181	9.063
180	8.981	8.981	8.981	8.981	8.981

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Zone	Lumens	%Lamp	%Fixt
0-20	773.11	N.A.	15.60
0-30	1450.44	N.A.	29.20
0-40	1912.74	N.A.	38.50
0-60	3263.97	N.A.	65.80
0-80	4160.19	N.A.	83.80
0-90	4224.84	N.A.	85.10
10-90	4031.63	N.A.	81.20
20-40	1139.63	N.A.	23.00
20-50	1694.67	N.A.	34.10
40-70	2017.54	N.A.	40.60
60-80	896.22	N.A.	18.10
70-80	229.91	N.A.	4.60
80-90	64.65	N.A.	1.30
90-110	131.45	N.A.	2.60
90-120	247.72	N.A.	5.00
90-130	408.28	N.A.	8.20
90-150	705.31	N.A.	14.20
90-180	738.50	N.A.	14.90
110-180	607.05	N.A.	12.20
0-180	4963.34	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	193.21
10-20	579.90
20-30	677.34
30-40	462.30
40-50	555.04
50-60	796.19
60-70	666.31
70-80	229.91
80-90	64.65
90-100	51.66
100-110	79.79
110-120	116.27
120-130	160.56
130-140	179.95
140-150	117.07
150-160	28.57
160-170	3.77
170-180	0.85

IES INDOOR REPORT

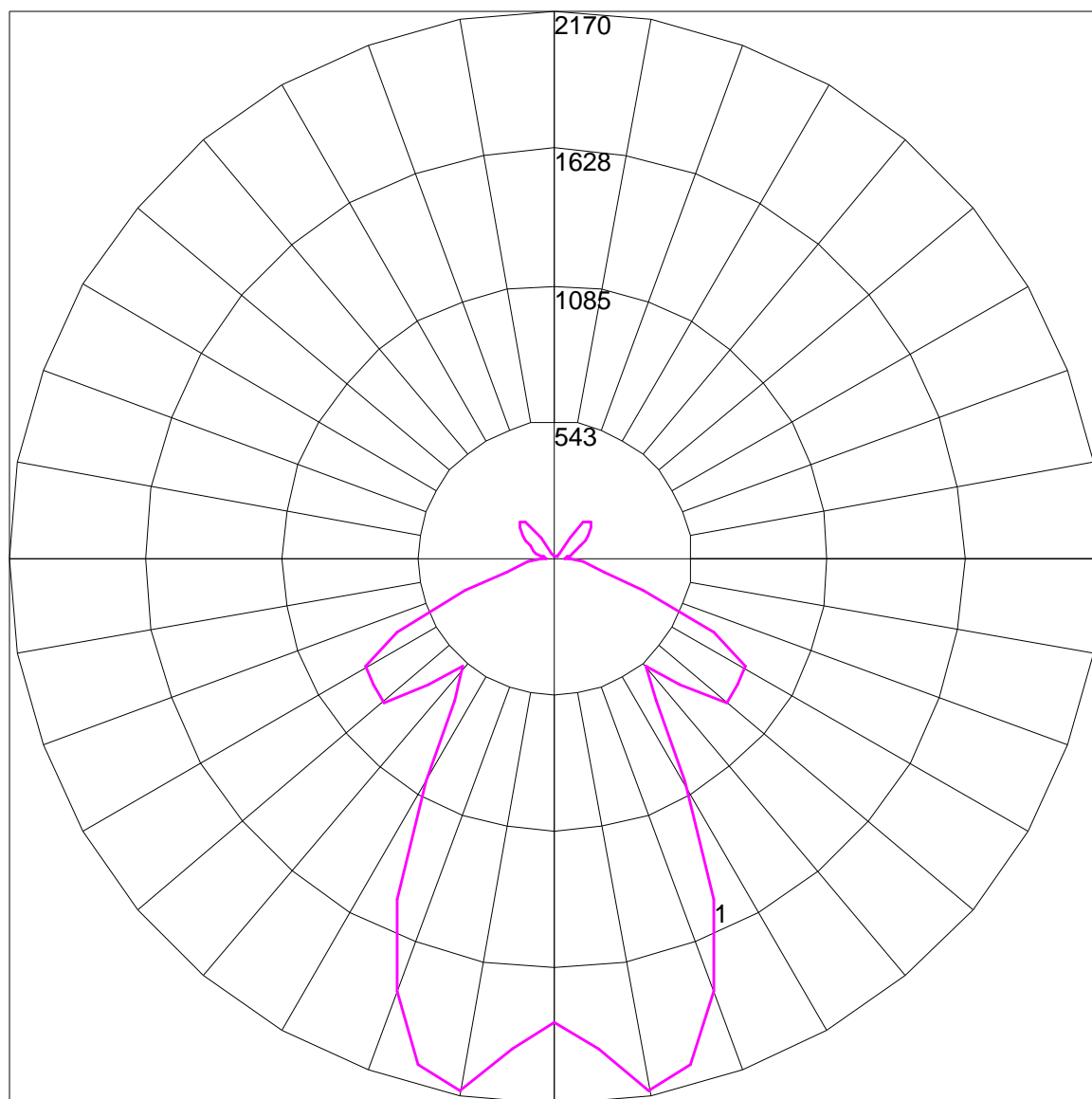
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	116	116	116	116	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	106	101	97	93	101	97	94	90	90	88	85	84	82	80	78	76	75	72
2	96	88	82	76	92	85	79	74	79	74	70	74	70	66	69	66	63	60
3	88	77	70	63	84	75	68	62	70	64	59	65	60	56	61	57	53	51
4	80	69	60	54	77	66	59	53	62	56	50	58	53	48	54	50	46	43
5	74	62	53	46	71	60	52	46	56	49	44	52	46	42	49	44	40	38
6	68	56	47	41	66	54	46	40	51	44	39	48	42	37	45	40	36	33
7	64	51	42	36	61	49	41	36	46	39	34	44	38	33	41	36	32	30
8	59	46	38	33	57	45	37	32	43	36	31	40	34	30	38	33	29	27
9	56	43	35	30	54	42	34	29	39	33	28	37	32	27	35	30	27	25
10	52	40	32	27	50	39	32	27	37	30	26	35	29	25	33	28	24	23

POLAR GRAPH



Maximum Candela = 2170.461 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180)