

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_5 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16DLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-0056_5_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-DL-MW

[OTHER] Acrylic Refractor / Drop Lens

[OTHER] 133.6 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	5017
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	1.06
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.36 ft (Diameter)
Luminous Width (90-270)	1.36 ft (Diameter)
Luminous Height	0.88 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_5 ~ PRDCH16SLEDGV-55L35K-EXXX-SR16DLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6336	6230	6454
55	8860	8921	9040
65	5786	5612	5498
75	1458	1415	1404
85	459	439	426

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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	1567.124	1567.124	1567.124	1567.124	1567.124
5	1493.360	1480.055	1507.846	1502.623	1491.910
10	1263.578	1268.401	1305.230	1310.082	1307.978
15	1045.143	1063.029	1089.438	1106.952	1106.962
20	928.479	950.089	959.572	974.101	972.446
25	884.469	892.345	901.277	898.695	898.038
30	829.508	826.241	832.272	822.589	812.932
35	763.102	761.607	754.869	751.471	726.854
40	806.141	779.372	762.120	786.833	751.394
45	1100.913	1105.399	1082.516	1084.340	1121.528
50	1423.112	1413.134	1478.733	1417.508	1436.428
55	1489.573	1463.054	1499.782	1522.568	1519.846
60	1389.965	1411.502	1386.154	1385.142	1415.321
65	910.663	859.459	883.223	882.238	865.276
70	414.330	359.039	386.933	416.807	389.496
75	206.864	201.895	200.697	203.743	199.174
80	103.272	91.665	95.481	97.349	88.501
85	55.987	51.733	53.607	53.051	51.921
90	47.172	42.681	45.412	44.730	43.981
95	48.949	47.258	48.254	46.831	46.212
100	52.681	51.751	52.263	50.867	49.523
105	56.410	53.543	57.771	56.489	54.833
110	61.648	60.361	61.402	60.692	59.154
115	64.543	62.599	64.236	65.137	64.080
120	68.242	67.359	69.339	69.978	69.807
125	74.266	72.863	74.768	79.284	78.317
130	68.950	70.644	75.666	81.879	79.984
135	54.360	57.356	67.355	72.218	74.937
140	38.642	39.313	53.247	62.562	63.908
145	21.825	25.434	39.780	50.627	53.274
150	10.047	14.186	28.305	40.695	42.410
155	7.868	9.349	19.847	30.421	33.431
160	10.065	8.223	13.396	20.050	24.318
165	10.577	9.372	11.068	15.392	17.091
170	11.881	10.611	10.252	12.037	12.340
175	12.375	12.375	12.239	12.282	11.430
180	13.753	13.753	13.753	13.753	13.753

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Zone	Lumens	%Lamp	%Fixt
0-20	445.64	N.A.	8.90
0-30	857.99	N.A.	17.10
0-40	1345.75	N.A.	26.80
0-60	3510.34	N.A.	70.00
0-80	4619.43	N.A.	92.10
0-90	4686.44	N.A.	93.40
10-90	4550.09	N.A.	90.70
20-40	900.11	N.A.	17.90
20-50	1758.2	N.A.	35.00
40-70	3038.96	N.A.	60.60
60-80	1109.09	N.A.	22.10
70-80	234.72	N.A.	4.70
80-90	67.01	N.A.	1.30
90-110	111.30	N.A.	2.20
90-120	175.23	N.A.	3.50
90-130	241.62	N.A.	4.80
90-150	316.46	N.A.	6.30
90-180	330.90	N.A.	6.60
110-180	219.60	N.A.	4.40
0-180	5017.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.36
10-20	309.28
20-30	412.35
30-40	487.76
40-50	858.09
50-60	1306.5
60-70	874.37
70-80	234.72
80-90	67.01
90-100	52.11
100-110	59.19
110-120	63.93
120-130	66.39
130-140	50.17
140-150	24.68
150-160	9.65
160-170	3.64
170-180	1.15

IES INDOOR REPORT

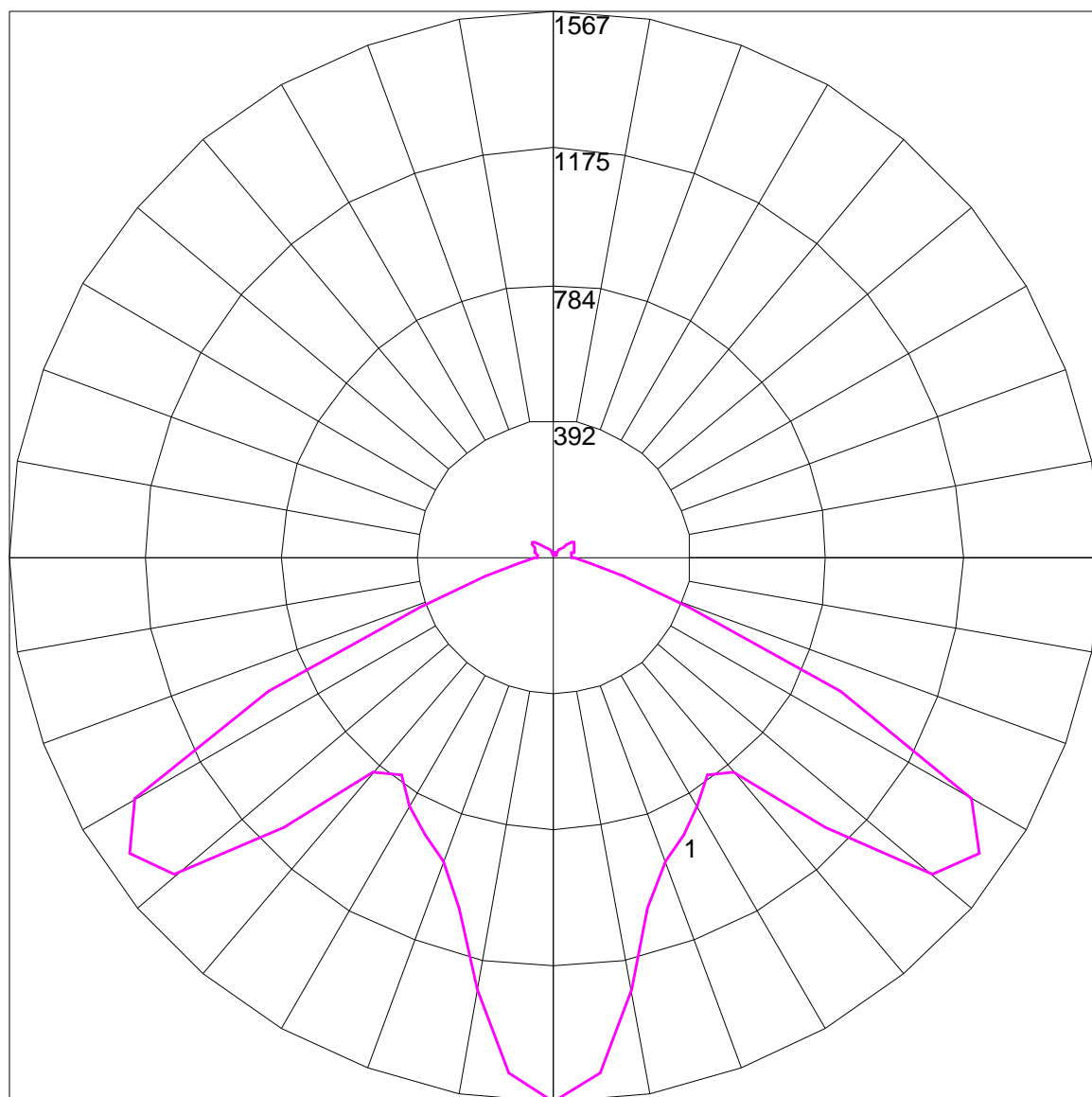
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	81	79	77
2	96	87	80	74	92	85	78	72	80	74	69	76	71	67	72	68	64	62
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	62	57	52	50
4	78	65	55	48	75	63	54	47	60	52	46	56	50	45	53	48	43	41
5	71	57	47	40	68	55	46	39	52	44	38	50	43	37	47	41	36	34
6	65	50	41	34	62	49	40	33	46	38	32	44	37	32	42	36	31	28
7	59	45	36	29	57	44	35	29	42	34	28	39	32	27	38	31	27	24
8	55	41	31	25	53	40	31	25	38	30	24	36	29	24	34	28	23	21
9	51	37	28	22	49	36	28	22	34	27	22	33	26	21	31	25	21	19
10	48	34	25	20	46	33	25	20	32	24	19	30	24	19	29	23	18	17

POLAR GRAPH



Maximum Candela = 1567.124 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)