

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_4 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PPMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_4_M-37L

[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-37L35K-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	3370
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	130
Total Luminaire Watts	26
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-37L35K-EXXX-SR16PPMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3031	2975	3131
55	3961	4121	3970
65	3402	3723	3491
75	1110	1172	1073
85	380	329	356

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_4 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PPMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1251.758	1251.758	1251.758	1251.758	1251.758
5	1330.215	1342.357	1329.411	1326.101	1336.217
10	1460.515	1468.125	1473.570	1473.423	1472.134
15	1417.844	1413.520	1428.724	1441.651	1435.558
20	1245.078	1234.475	1267.315	1287.118	1286.014
25	1013.753	1003.624	1035.819	1049.298	1049.924
30	696.251	691.875	700.361	710.861	718.578
35	471.472	473.216	466.652	468.583	470.622
40	385.584	402.823	371.407	355.568	366.484
45	481.474	499.900	472.451	448.156	497.352
50	606.598	598.716	620.208	594.614	605.682
55	597.491	583.076	621.595	599.941	598.753
60	591.366	575.699	627.531	606.584	619.368
65	470.275	451.979	514.606	492.789	482.604
70	255.614	248.644	277.809	257.602	242.494
75	134.792	130.745	142.294	129.979	130.283
80	73.213	69.051	67.565	60.291	63.900
85	38.415	35.602	33.200	31.452	35.994
90	26.359	26.551	26.296	26.179	23.442
95	30.182	31.199	31.068	31.709	30.031
100	39.415	40.643	40.640	40.631	41.774
105	50.306	50.561	50.436	50.340	52.660
110	61.219	61.017	62.470	64.984	66.147
115	73.447	73.220	77.565	84.279	83.846
120	91.413	91.058	97.096	108.087	107.693
125	110.420	111.889	121.695	134.177	131.508
130	126.358	127.744	146.379	160.450	157.133
135	136.575	142.627	167.924	181.066	179.994
140	121.828	141.114	173.329	184.411	183.007
145	65.579	95.924	147.373	167.496	154.661
150	17.669	33.690	89.012	121.332	114.124
155	6.792	8.997	35.122	61.946	61.144
160	5.931	5.370	11.235	23.507	27.338
165	5.738	5.904	5.913	8.907	11.417
170	6.318	5.761	5.644	6.253	6.050
175	6.231	7.026	5.634	5.554	6.153
180	6.098	6.098	6.098	6.098	6.098

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Zone	Lumens	%Lamp	%Fixt
0-20	524.88	N.A.	15.60
0-30	984.74	N.A.	29.20
0-40	1298.6	N.A.	38.50
0-60	2215.98	N.A.	65.80
0-80	2824.44	N.A.	83.80
0-90	2868.33	N.A.	85.10
10-90	2737.16	N.A.	81.20
20-40	773.72	N.A.	23.00
20-50	1150.55	N.A.	34.10
40-70	1369.75	N.A.	40.60
60-80	608.46	N.A.	18.10
70-80	156.09	N.A.	4.60
80-90	43.89	N.A.	1.30
90-110	89.24	N.A.	2.60
90-120	168.19	N.A.	5.00
90-130	277.19	N.A.	8.20
90-150	478.85	N.A.	14.20
90-180	501.38	N.A.	14.90
110-180	412.14	N.A.	12.20
0-180	3369.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	131.17
10-20	393.71
20-30	459.86
30-40	313.86
40-50	376.83
50-60	540.55
60-70	452.37
70-80	156.09
80-90	43.89
90-100	35.08
100-110	54.17
110-120	78.94
120-130	109.01
130-140	122.17
140-150	79.48
150-160	19.40
160-170	2.56
170-180	0.58

IES INDOOR REPORT

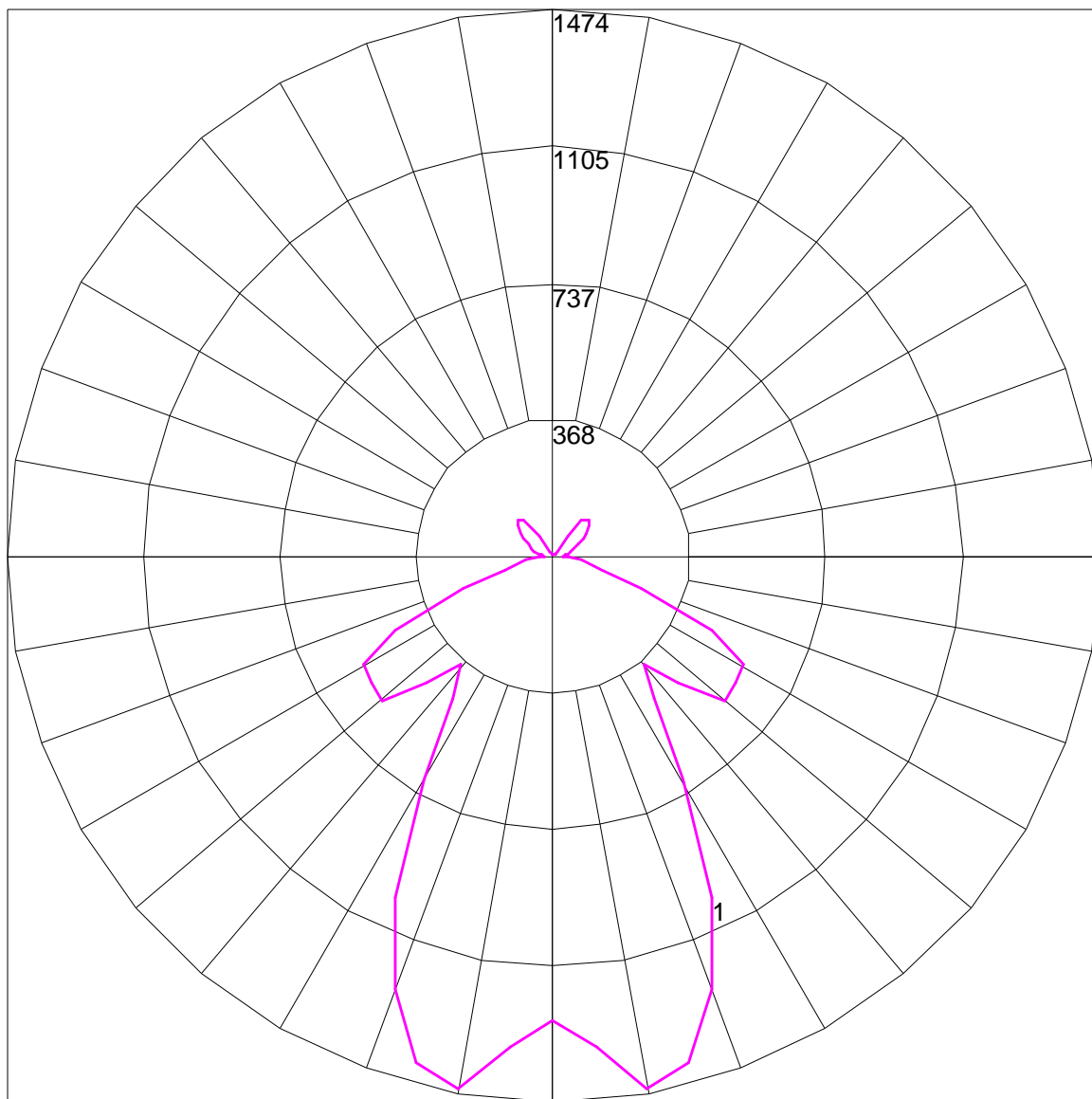
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	111	111	111	111	103	103	103	95	95	95	88	88	88	85
1	106	101	97	93	101	97	94	90	90	87	85	84	82	80	78	76	75	72
2	96	88	82	76	92	85	79	74	79	74	70	74	70	66	69	65	63	60
3	88	77	70	63	84	75	68	62	70	64	59	65	60	56	61	57	53	50
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 = 1473.57 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180)