

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_4 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16PPMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_4_M-15L

[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-15L35K-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	1316
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	10
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1184	1161	1223
55	1547	1609	1550
65	1328	1453	1363
75	433	457	419
85	149	128	139

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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	488.724	488.724	488.724	488.724	488.724
5	519.357	524.097	519.043	517.750	521.700
10	570.230	573.201	575.327	575.269	574.766
15	553.570	551.881	557.817	562.865	560.486
20	486.116	481.977	494.798	502.530	502.099
25	395.800	391.845	404.415	409.678	409.922
30	271.838	270.129	273.442	277.542	280.555
35	184.077	184.758	182.195	182.949	183.745
40	150.544	157.275	145.008	138.825	143.087
45	187.982	195.176	184.459	174.974	194.181
50	236.834	233.757	242.148	232.155	236.477
55	233.279	227.651	242.690	234.235	233.772
60	230.887	224.771	245.007	236.829	241.820
65	183.610	176.466	200.918	192.400	188.423
70	99.800	97.078	108.465	100.576	94.677
75	52.627	51.047	55.556	50.748	50.867
80	28.585	26.960	26.380	23.539	24.948
85	14.998	13.900	12.962	12.280	14.053
90	10.291	10.366	10.267	10.221	9.152
95	11.784	12.181	12.130	12.380	11.725
100	15.389	15.868	15.867	15.863	16.310
105	19.641	19.740	19.692	19.654	20.560
110	23.902	23.823	24.390	25.372	25.826
115	28.676	28.587	30.284	32.905	32.736
120	35.691	35.552	37.909	42.200	42.047
125	43.111	43.685	47.513	52.387	51.345
130	49.334	49.875	57.151	62.645	61.350
135	53.323	55.686	65.563	70.694	70.275
140	47.565	55.095	67.673	72.000	71.452
145	25.604	37.452	57.539	65.395	60.384
150	6.898	13.154	34.753	47.372	44.558
155	2.652	3.513	13.713	24.186	23.872
160	2.316	2.096	4.386	9.178	10.674
165	2.240	2.305	2.309	3.478	4.458
170	2.467	2.249	2.203	2.441	2.362
175	2.433	2.743	2.200	2.169	2.402
180	2.381	2.381	2.381	2.381	2.381

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Zone	Lumens	%Lamp	%Fixt
0-20	204.93	N.A.	15.60
0-30	384.47	N.A.	29.20
0-40	507.01	N.A.	38.50
0-60	865.19	N.A.	65.80
0-80	1102.75	N.A.	83.80
0-90	1119.88	N.A.	85.10
10-90	1068.67	N.A.	81.20
20-40	302.08	N.A.	23.00
20-50	449.21	N.A.	34.10
40-70	534.79	N.A.	40.60
60-80	237.56	N.A.	18.10
70-80	60.94	N.A.	4.60
80-90	17.14	N.A.	1.30
90-110	34.84	N.A.	2.60
90-120	65.66	N.A.	5.00
90-130	108.22	N.A.	8.20
90-150	186.96	N.A.	14.20
90-180	195.75	N.A.	14.90
110-180	160.91	N.A.	12.20
0-180	1315.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	51.21
10-20	153.71
20-30	179.54
30-40	122.54
40-50	147.13
50-60	211.05
60-70	176.62
70-80	60.94
80-90	17.14
90-100	13.69
100-110	21.15
110-120	30.82
120-130	42.56
130-140	47.70
140-150	31.03
150-160	7.57
160-170	1.00
170-180	0.23

IES INDOOR REPORT

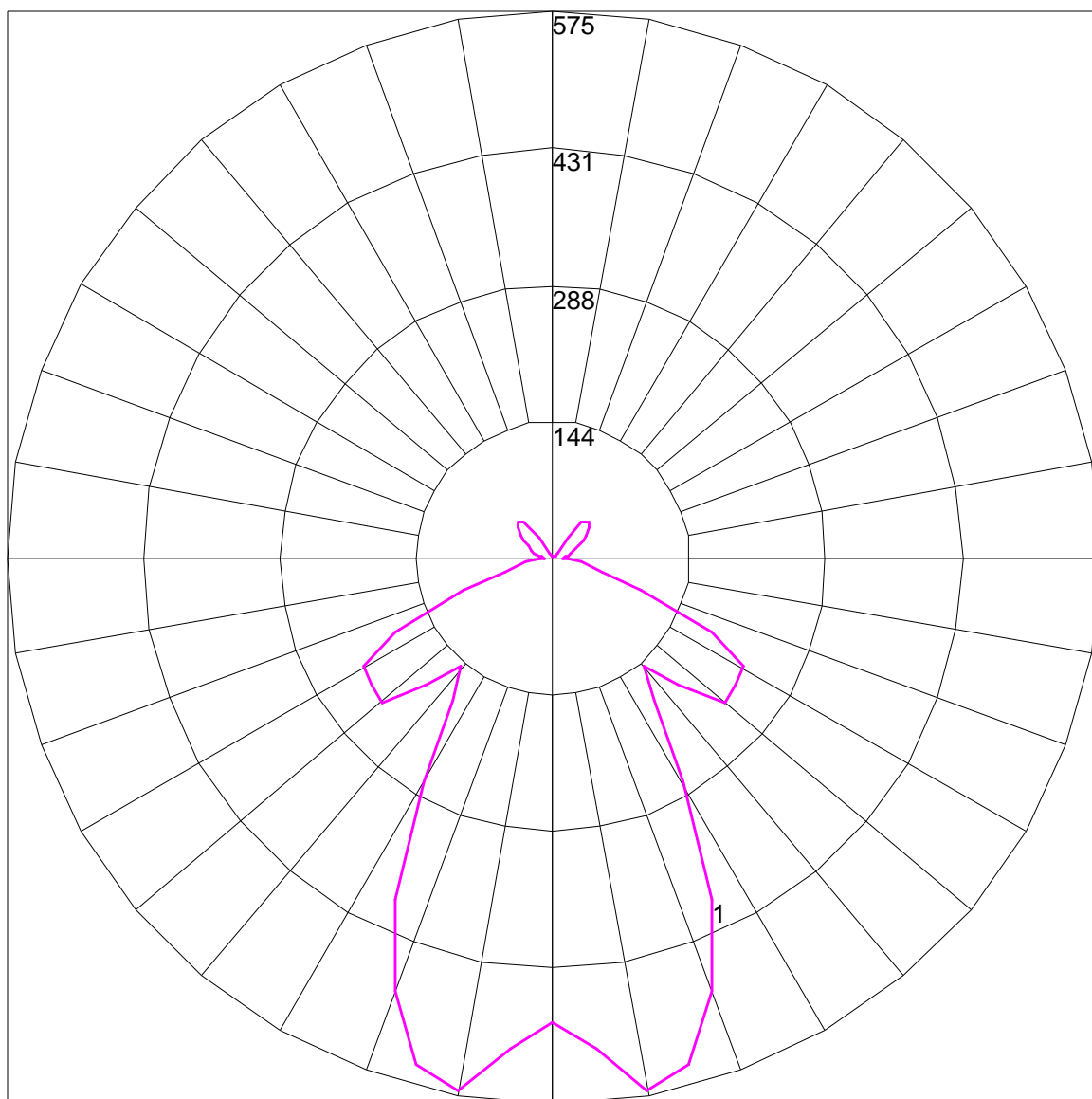
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	55	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 = 575.327 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180)