

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16CNMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_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-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	3432
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	132
Total Luminaire Watts	26
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16CNMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5071	4985	4776
55	3697	3710	3693
65	3559	3323	2533
75	988	888	633
85	213	191	182

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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	383.509	383.509	383.509	383.509	383.509
5	406.626	406.219	422.389	449.016	484.729
10	556.052	545.753	580.646	661.321	683.784
15	794.970	778.351	802.674	854.524	923.224
20	1033.083	1030.062	1068.641	1110.398	1169.190
25	1249.504	1243.366	1288.767	1310.916	1309.463
30	1285.353	1291.780	1260.144	1267.720	1203.830
35	1094.953	1109.711	1064.449	1006.985	991.018
40	913.586	915.638	879.879	866.368	857.414
45	824.549	822.151	810.531	807.692	776.467
50	716.054	718.511	696.167	656.156	624.120
55	573.737	582.512	575.661	572.067	573.089
60	571.548	570.007	579.845	586.835	567.080
65	509.059	502.045	475.340	433.340	362.286
70	251.999	259.398	220.244	198.254	172.327
75	125.096	129.728	112.426	96.742	80.138
80	51.539	52.961	40.005	33.096	29.385
85	22.645	22.584	20.314	20.282	19.292
90	19.606	16.401	16.451	18.942	18.106
95	18.884	20.511	19.544	19.682	19.840
100	21.036	22.742	21.428	21.712	23.842
105	24.471	25.435	27.293	29.453	33.168
110	33.862	34.934	35.830	37.493	38.038
115	39.842	39.897	38.559	39.958	40.724
120	39.866	40.021	39.718	39.366	39.369
125	38.364	38.779	40.203	39.042	38.119
130	31.641	34.342	36.721	37.772	36.030
135	23.759	27.657	31.909	34.018	34.502
140	17.906	20.032	25.631	26.033	28.461
145	10.887	14.027	19.648	20.112	22.776
150	6.202	9.524	16.605	19.662	24.987
155	4.943	7.193	17.160	25.167	30.814
160	4.978	5.281	13.775	24.011	25.959
165	5.378	4.402	7.265	9.585	10.763
170	5.829	5.740	5.984	6.462	6.640
175	7.096	6.472	6.815	6.976	7.250
180	6.755	6.755	6.755	6.755	6.755

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Zone	Lumens	%Lamp	%Fixt
0-20	287.93	N.A.	8.40
0-30	857.55	N.A.	25.00
0-40	1523.65	N.A.	44.40
0-60	2680.64	N.A.	78.10
0-80	3233.91	N.A.	94.20
0-90	3261.54	N.A.	95.00
10-90	3214.86	N.A.	93.70
20-40	1235.72	N.A.	36.00
20-50	1852.12	N.A.	54.00
40-70	1582.58	N.A.	46.10
60-80	553.27	N.A.	16.10
70-80	127.69	N.A.	3.70
80-90	27.62	N.A.	0.80
90-110	51.63	N.A.	1.50
90-120	90.10	N.A.	2.60
90-130	124.55	N.A.	3.60
90-150	159.79	N.A.	4.70
90-180	170.40	N.A.	5.00
110-180	118.77	N.A.	3.50
0-180	3431.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.68
10-20	241.25
20-30	569.62
30-40	666.10
40-50	616.40
50-60	540.59
60-70	425.59
70-80	127.69
80-90	27.62
90-100	21.62
100-110	30.01
110-120	38.47
120-130	34.45
130-140	23.48
140-150	11.76
150-160	7.38
160-170	2.61
170-180	0.63

IES INDOOR REPORT

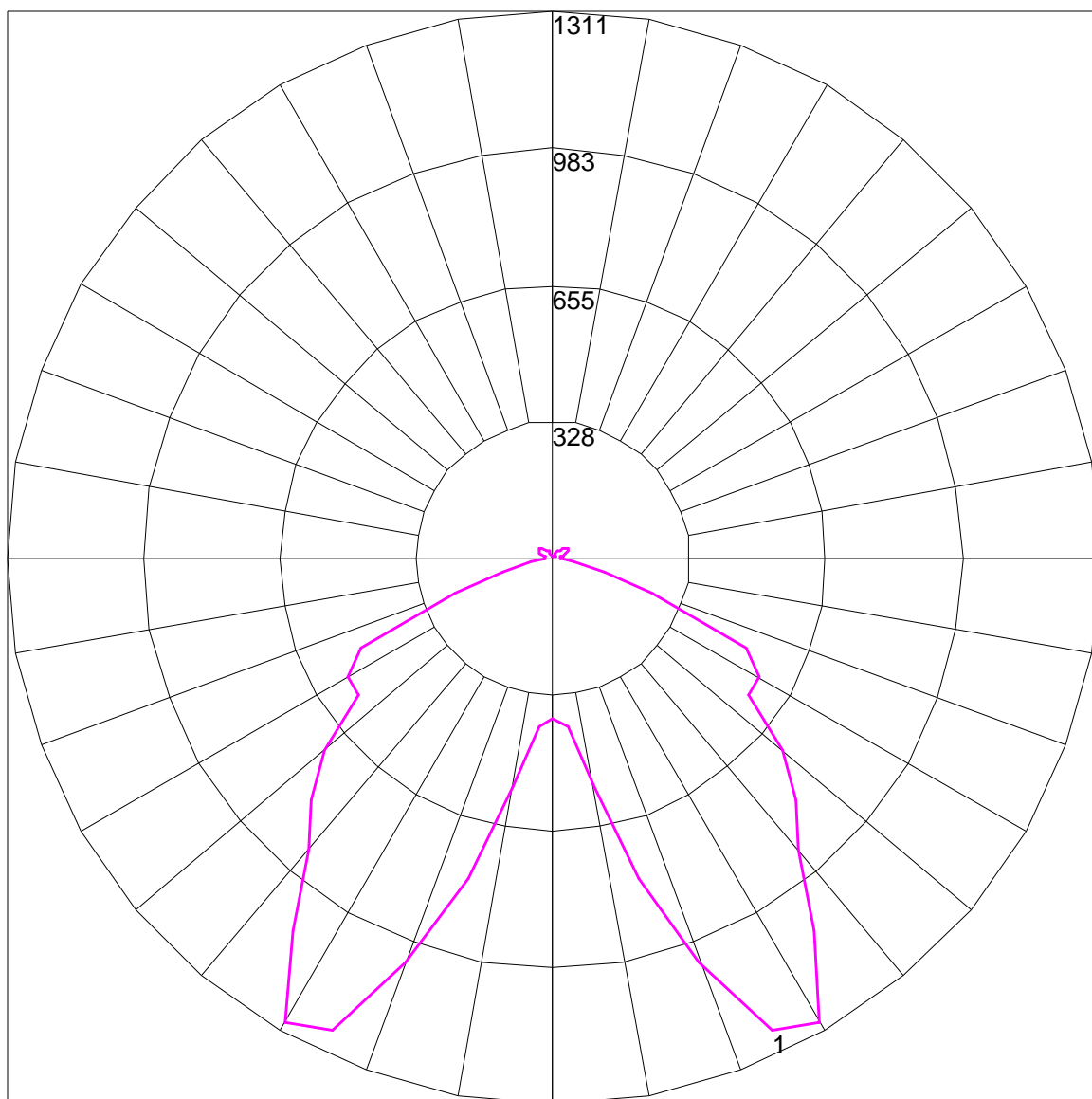
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	31	27	37	31	26	25
10	51	38	30	25	50	38	30	25	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 1310.916 Located At Horizontal Angle = 67.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)