

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_6 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PCMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_6_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-PC-MW

[OTHER] Acrylic Refractor / Clear Polycarbonate Lens

[OTHER] 69.6 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	3365
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	129
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.38
Spacing Criterion (90-270)	1.36
Spacing Criterion (Diagonal)	1.28
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_6 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PCMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3676	3515	3588
55	3552	3545	3565
65	3152	3275	3216
75	885	865	820
85	187	186	171

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_6 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PCMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1108.715	1108.715	1108.715	1108.715	1108.715
5	1109.330	1108.958	1110.538	1109.172	1110.822
10	1105.953	1107.815	1112.806	1110.809	1107.783
15	1107.376	1110.964	1111.591	1114.400	1105.735
20	1204.896	1209.957	1197.331	1206.446	1228.027
25	1405.644	1404.226	1468.491	1471.276	1451.543
30	1296.255	1290.869	1283.540	1280.863	1198.673
35	960.819	960.859	938.792	937.275	935.470
40	752.213	754.568	763.231	764.678	756.000
45	583.845	582.820	558.221	568.634	569.931
50	531.381	532.478	538.860	535.913	552.351
55	535.769	538.878	534.685	534.528	537.680
60	545.907	547.428	551.356	553.505	576.916
65	435.674	436.124	452.793	453.843	444.572
70	229.140	230.132	212.132	216.930	192.775
75	107.539	108.177	105.031	104.403	99.592
80	45.856	47.114	41.843	41.381	35.350
85	18.894	19.608	18.736	18.018	17.287
90	15.379	14.778	14.464	13.693	13.736
95	15.898	16.283	15.957	15.701	15.549
100	18.272	18.262	18.732	18.407	18.193
105	21.074	20.712	21.329	20.675	21.244
110	22.280	22.364	22.237	23.280	22.976
115	24.380	25.014	25.730	25.959	24.603
120	28.181	29.625	29.849	30.392	29.593
125	30.474	31.977	33.878	34.640	33.489
130	36.734	39.503	43.537	43.500	43.710
135	51.819	56.914	62.217	59.782	64.015
140	52.311	63.639	74.725	72.788	75.571
145	25.467	42.237	67.955	78.181	71.678
150	7.823	14.845	39.315	58.664	54.657
155	4.914	6.118	13.747	25.819	24.053
160	5.507	5.124	7.533	10.572	11.546
165	5.678	5.286	5.164	8.290	7.984
170	5.568	5.936	5.908	6.416	6.185
175	6.335	7.145	6.442	6.326	6.404
180	6.670	6.670	6.670	6.670	6.670

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_6 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PCMW.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	428.70	N.A.	12.70
0-30	1050.78	N.A.	31.20
0-40	1662.51	N.A.	49.40
0-60	2618.26	N.A.	77.80
0-80	3153.09	N.A.	93.70
0-90	3178.79	N.A.	94.50
10-90	3072.88	N.A.	91.30
20-40	1233.81	N.A.	36.70
20-50	1704.29	N.A.	50.60
40-70	1366.59	N.A.	40.60
60-80	534.83	N.A.	15.90
70-80	123.99	N.A.	3.70
80-90	25.70	N.A.	0.80
90-110	39.55	N.A.	1.20
90-120	65.05	N.A.	1.90
90-130	95.84	N.A.	2.80
90-150	175.31	N.A.	5.20
90-180	186.71	N.A.	5.50
110-180	147.15	N.A.	4.40
0-180	3365.5	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.91
10-20	322.79
20-30	622.08
30-40	611.73
40-50	470.48
50-60	485.28
60-70	410.84
70-80	123.99
80-90	25.70
90-100	17.62
100-110	21.93
110-120	25.50
120-130	30.78
130-140	44.08
140-150	35.38
150-160	8.87
160-170	1.92
170-180	0.61

IES INDOOR REPORT

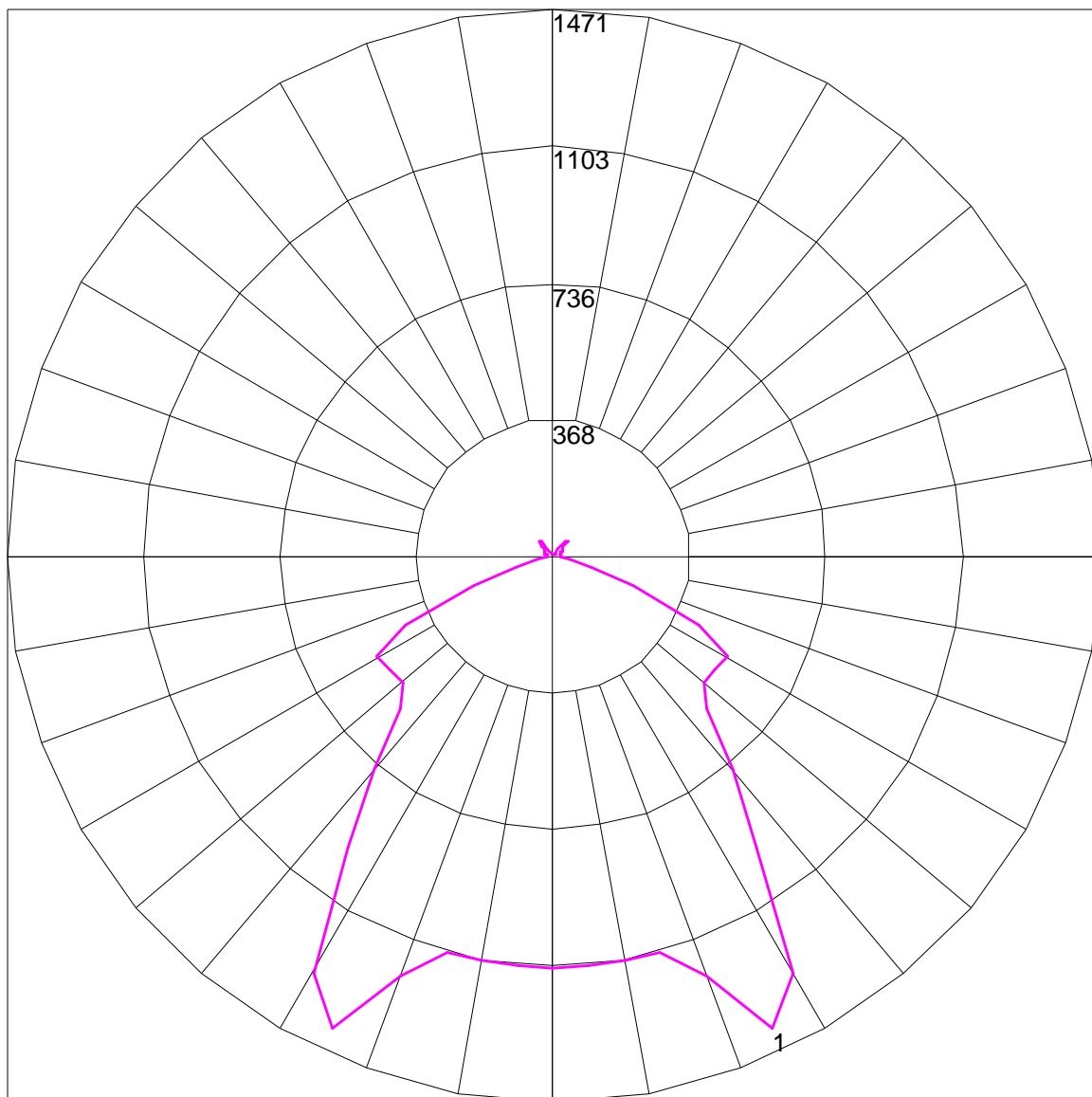
PHOTOMETRIC FILENAME : SP-00569_6 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16PCMW.IES

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	108	104	100	97	105	101	98	95	96	93	91	91	89	87	87	85	83	81
2	99	92	85	80	96	89	84	79	85	80	76	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	64	61	59
4	83	72	64	57	81	70	63	57	67	61	55	64	59	54	62	57	53	51
5	77	65	56	50	74	63	55	49	60	54	48	58	52	47	56	50	46	44
6	71	58	50	44	69	57	49	43	55	48	42	53	46	42	51	45	41	39
7	66	53	45	39	64	52	44	38	50	43	38	48	42	37	46	41	37	35
8	62	49	40	35	60	48	40	34	46	39	34	44	38	33	43	37	33	31
9	58	45	37	31	56	44	36	31	42	35	31	41	35	30	39	34	30	28
10	54	41	34	28	52	40	33	28	39	32	28	38	32	28	37	31	27	25

POLAR GRAPH



Maximum Candela = 1471.276 Located At Horizontal Angle = 67.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)