

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_2 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16NLMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_2_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-NL-MW

[OTHER] Acrylic Refractor / No Lens

[OTHER] 79.9 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	3682
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.40
Spacing Criterion (Diagonal)	1.32
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	4449	4429	4555
55	3439	3478	3487
65	3006	3031	3261
75	786	785	826
85	150	158	153

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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	1304.896	1304.896	1304.896	1304.896	1304.896
5	1302.734	1302.497	1306.146	1305.665	1305.664
10	1295.976	1299.045	1301.945	1301.427	1300.025
15	1287.862	1286.890	1296.313	1298.134	1295.757
20	1448.026	1426.043	1463.684	1475.732	1428.337
25	1753.996	1806.667	1759.290	1775.074	1761.337
30	1550.451	1534.953	1570.243	1608.050	1608.787
35	1187.472	1173.045	1196.412	1191.208	1173.953
40	969.184	976.089	965.967	967.885	994.413
45	706.595	683.927	703.435	708.798	723.487
50	543.983	542.904	544.102	539.146	541.694
55	518.740	518.745	524.584	525.498	525.956
60	540.042	548.288	543.674	544.897	542.406
65	415.611	416.087	419.051	430.838	450.797
70	213.364	195.623	215.157	219.986	217.246
75	95.468	94.587	95.330	97.498	100.277
80	37.405	33.947	37.801	38.181	37.522
85	15.141	14.435	15.934	15.203	15.427
90	11.696	11.487	12.723	12.150	12.127
95	11.703	12.081	12.925	13.021	11.268
100	14.542	15.154	15.891	15.889	15.115
105	18.533	17.166	18.715	18.244	19.666
110	14.819	15.402	15.119	15.866	14.644
115	11.333	12.075	11.833	12.997	12.411
120	10.882	10.550	11.772	12.045	12.022
125	10.983	10.118	11.851	11.299	11.782
130	10.185	9.813	12.415	12.190	12.889
135	9.985	9.939	12.025	12.926	13.693
140	9.984	9.802	10.990	11.360	13.419
145	7.412	6.876	8.772	8.671	10.635
150	5.343	6.572	6.656	7.556	8.057
155	4.713	5.578	5.898	7.516	7.869
160	5.355	5.964	5.941	7.045	7.182
165	5.665	5.972	6.096	5.873	6.802
170	6.196	6.206	6.488	6.673	6.627
175	7.358	6.926	7.261	6.319	7.069
180	7.476	7.476	7.476	7.476	7.476

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Zone	Lumens	%Lamp	%Fixt
0-20	504.37	N.A.	13.70
0-30	1266.36	N.A.	34.40
0-40	2032.67	N.A.	55.20
0-60	3072.8	N.A.	83.50
0-80	3585.66	N.A.	97.40
0-90	3607.28	N.A.	98.00
10-90	3482.9	N.A.	94.60
20-40	1528.29	N.A.	41.50
20-50	2090.15	N.A.	56.80
40-70	1436.9	N.A.	39.00
60-80	512.86	N.A.	13.90
70-80	116.10	N.A.	3.20
80-90	21.62	N.A.	0.60
90-110	32.06	N.A.	0.90
90-120	44.77	N.A.	1.20
90-130	54.92	N.A.	1.50
90-150	69.25	N.A.	1.90
90-180	74.66	N.A.	2.00
110-180	42.60	N.A.	1.20
0-180	3681.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.38
10-20	380.00
20-30	761.98
30-40	766.31
40-50	561.86
50-60	478.28
60-70	396.76
70-80	116.10
80-90	21.62
90-100	14.25
100-110	17.81
110-120	12.71
120-130	10.15
130-140	8.88
140-150	5.46
150-160	2.99
160-170	1.76
170-180	0.65

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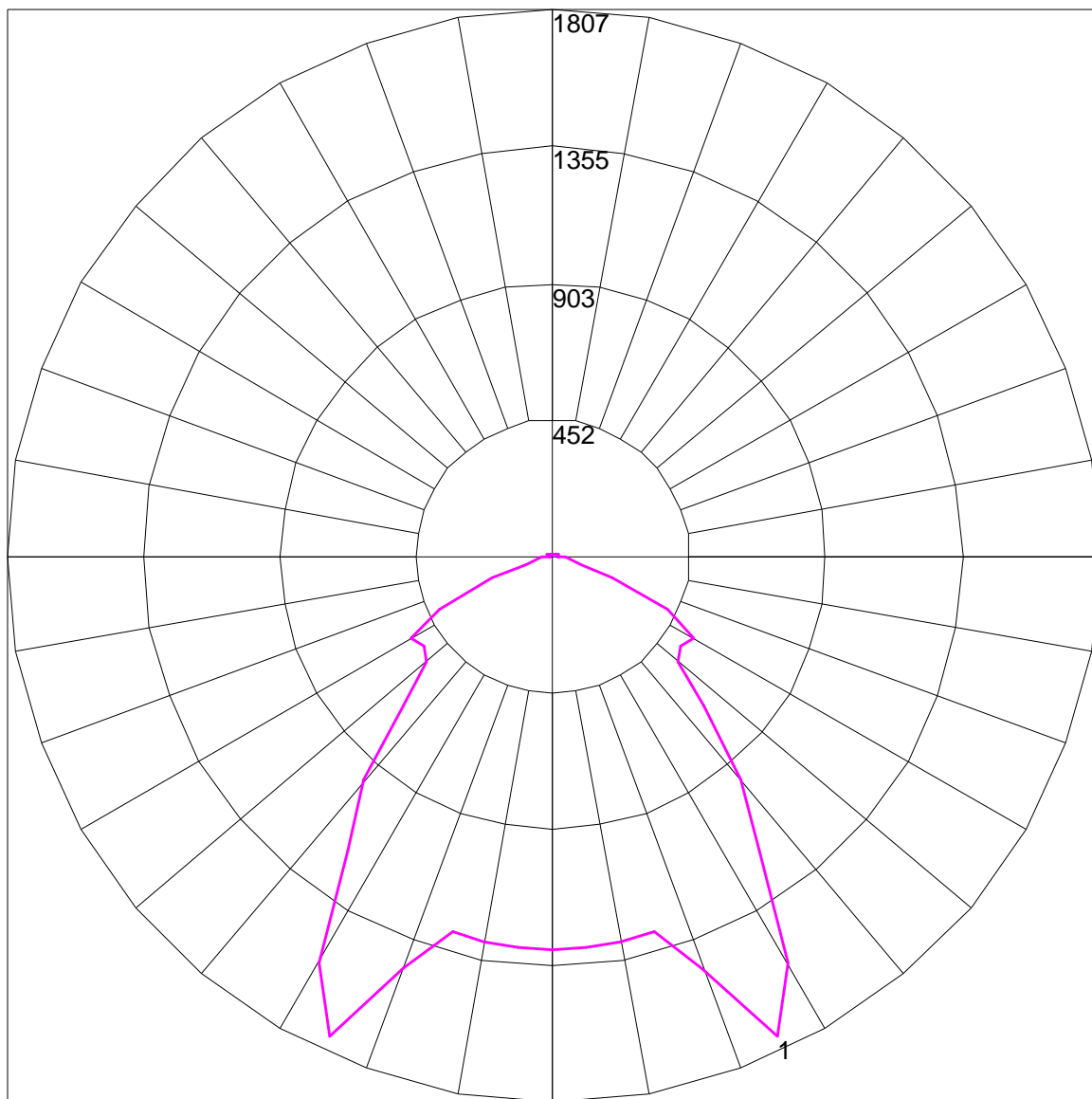
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98
1	110	106	102	99	107	103	100	97	99	96	93	94	92	90	91	89	87	85
2	101	94	87	82	98	91	86	81	88	83	79	84	80	77	81	78	75	73
3	93	83	76	70	90	81	75	69	78	72	68	75	70	66	73	68	65	63
4	85	74	66	60	83	73	65	60	70	64	59	68	62	58	65	61	57	55
5	79	67	59	52	77	66	58	52	63	57	51	61	55	51	59	54	50	48
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	54	49	44	42
7	68	55	47	41	66	54	47	41	53	46	41	51	45	40	50	44	40	38
8	63	51	43	37	62	50	42	37	48	41	36	47	41	36	46	40	36	34
9	59	47	39	33	58	46	38	33	45	38	33	43	37	33	42	37	33	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30	28

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POLAR GRAPH



Maximum Candela = 1806.667 Located At Horizontal Angle = 22.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)