

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_3 ~ PRDCH16SLEDGV-37L35K-EXXX-SR16FOMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569_3_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-FO-MW

[OTHER] Acrylic Refractor / White Optical Acrylic Lens

[OTHER] 129.8 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	3312
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	2.00
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	3743	3726	3979
55	5048	5019	5108
65	4392	4568	4351
75	1630	1624	1567
85	535	532	498

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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	587.383	587.383	587.383	587.383	587.383
5	585.095	582.653	585.229	583.148	583.959
10	574.427	574.463	574.112	573.108	571.693
15	556.733	557.566	557.381	553.978	553.892
20	535.433	534.816	533.815	529.348	529.093
25	507.249	506.383	505.568	502.008	500.671
30	475.764	474.870	475.188	470.416	470.371
35	445.383	444.886	443.882	442.848	442.047
40	453.602	444.530	432.613	465.475	458.620
45	594.550	609.306	591.872	620.772	631.932
50	763.960	761.355	780.522	756.332	763.532
55	761.379	760.117	756.943	765.560	770.465
60	744.513	759.417	757.458	753.848	767.852
65	607.154	613.814	631.452	589.299	601.441
70	351.902	335.351	341.192	345.173	341.996
75	197.967	198.589	197.197	188.569	190.329
80	105.087	99.852	102.048	96.555	92.757
85	53.993	52.659	53.685	49.434	50.334
90	37.114	34.452	35.854	36.488	35.761
95	42.163	42.695	42.257	44.498	43.532
100	57.378	57.042	57.464	60.072	59.562
105	75.932	76.756	76.273	78.735	77.770
110	97.166	97.778	98.810	99.624	98.766
115	117.807	117.847	119.052	120.072	119.569
120	132.829	134.749	135.761	136.698	137.079
125	137.714	143.248	146.855	150.284	148.391
130	125.384	136.871	147.660	151.914	150.588
135	106.239	120.318	145.481	152.831	152.673
140	86.194	104.307	142.375	157.547	160.804
145	43.654	70.046	119.252	148.276	144.959
150	10.118	23.156	72.820	116.146	115.798
155	4.561	6.399	30.067	54.536	65.383
160	4.082	4.348	11.052	23.552	31.205
165	5.052	4.858	5.305	8.982	13.714
170	4.880	4.748	5.259	5.588	6.720
175	5.527	6.149	5.898	5.645	5.095
180	6.067	6.067	6.067	6.067	6.067

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Zone	Lumens	%Lamp	%Fixt
0-20	212.15	N.A.	6.40
0-30	444.66	N.A.	13.40
0-40	728.80	N.A.	22.00
0-60	1885.72	N.A.	56.90
0-80	2677.9	N.A.	80.80
0-90	2743.06	N.A.	82.80
10-90	2687.64	N.A.	81.10
20-40	516.66	N.A.	15.60
20-50	990.34	N.A.	29.90
40-70	1730.13	N.A.	52.20
60-80	792.17	N.A.	23.90
70-80	218.97	N.A.	6.60
80-90	65.16	N.A.	2.00
90-110	131.29	N.A.	4.00
90-120	248.21	N.A.	7.50
90-130	376.20	N.A.	11.40
90-150	548.75	N.A.	16.60
90-180	569.26	N.A.	17.20
110-180	437.97	N.A.	13.20
0-180	3312.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	55.41
10-20	156.73
20-30	232.52
30-40	284.14
40-50	473.68
50-60	683.24
60-70	573.21
70-80	218.97
80-90	65.16
90-100	49.13
100-110	82.16
110-120	116.92
120-130	127.98
130-140	106.50
140-150	66.05
150-160	17.48
160-170	2.49
170-180	0.54

IES INDOOR REPORT

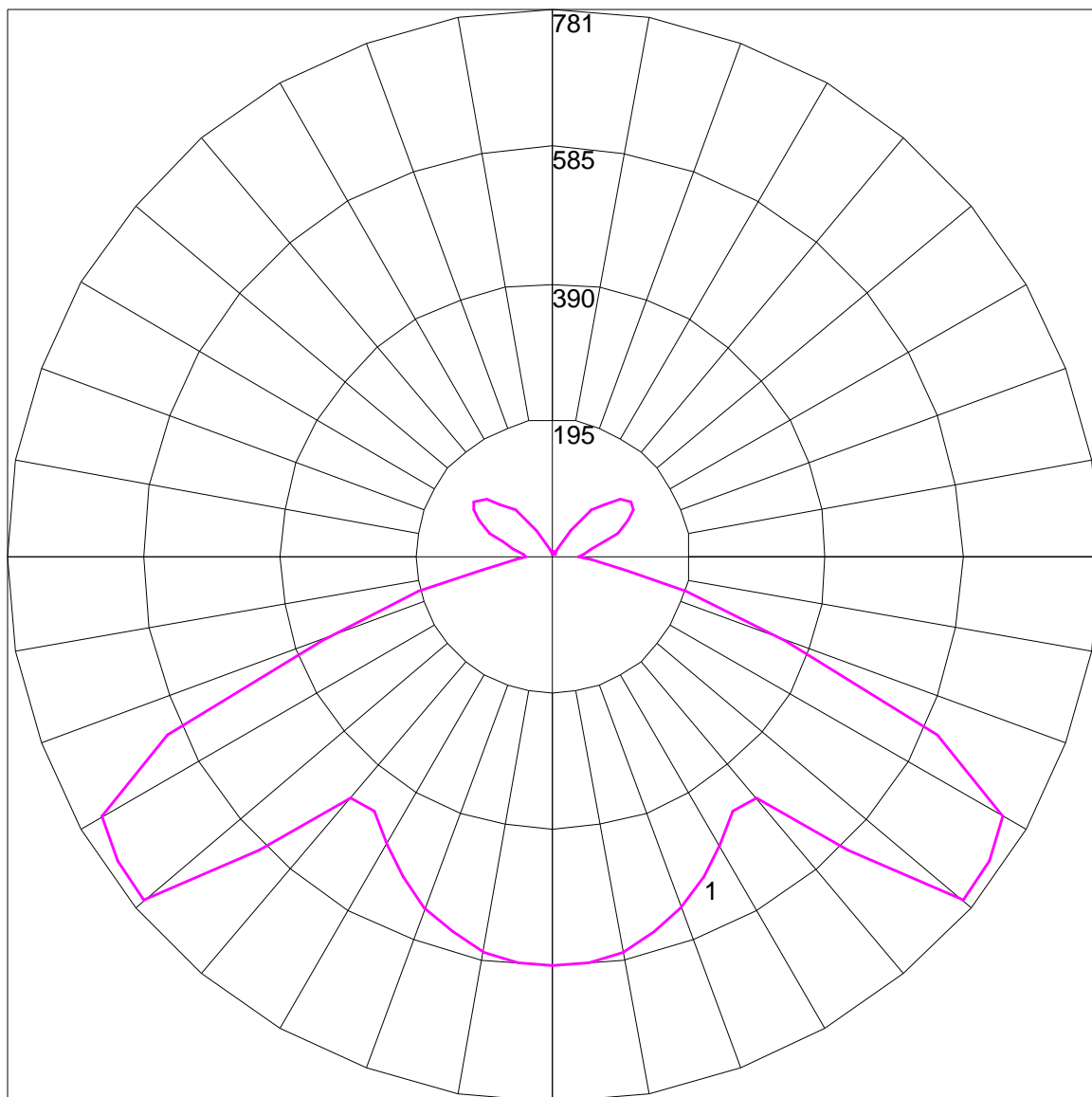
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	110	110	110	102	102	102	94	94	94	86	86	86	83
1	104	98	94	89	99	94	90	86	87	83	80	80	77	75	74	72	70	66
2	93	84	76	70	88	80	73	68	74	68	63	68	63	59	62	59	56	52
3	83	72	63	55	79	69	60	54	63	56	51	58	52	48	53	49	45	42
4	75	62	52	45	71	59	51	44	55	47	41	50	44	39	46	41	37	34
5	68	54	44	37	65	52	43	36	48	40	34	44	37	32	40	35	30	28
6	62	48	38	31	59	46	37	31	42	35	29	39	32	27	36	30	26	23
7	57	43	33	27	54	41	32	26	38	30	25	35	28	23	32	26	22	20
8	53	38	29	23	50	37	29	23	34	27	21	32	25	20	29	23	19	17
9	49	35	26	20	47	34	25	20	31	24	19	29	22	18	27	21	17	15
10	46	32	24	18	44	31	23	18	29	22	17	27	20	16	25	19	15	13

POLAR GRAPH



Maximum Candela = 780.522 Located At Horizontal Angle = 45, Vertical Angle = 50
1 - Vertical Plane Through Horizontal Angles (0 - 180)