

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00569_2 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16NLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00569_2_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-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	1438
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	144
Total Luminaire Watts	10
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00569_2 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16NLMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1737	1729	1778
55	1343	1358	1361
65	1174	1184	1273
75	307	306	322
85	59	62	60

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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	509.471	509.471	509.471	509.471	509.471
5	508.627	508.535	509.959	509.771	509.771
10	505.989	507.187	508.319	508.117	507.569
15	502.820	502.441	506.120	506.831	505.903
20	565.354	556.771	571.467	576.171	557.666
25	684.814	705.378	686.880	693.043	687.680
30	605.343	599.292	613.071	627.832	628.120
35	463.625	457.992	467.116	465.084	458.347
40	378.399	381.095	377.143	377.892	388.249
45	275.876	267.026	274.643	276.736	282.471
50	212.387	211.966	212.434	210.499	211.494
55	202.532	202.534	204.813	205.170	205.349
60	210.849	214.068	212.267	212.745	211.772
65	162.267	162.453	163.610	168.212	176.005
70	83.304	76.377	84.004	85.889	84.819
75	37.274	36.930	37.220	38.066	39.151
80	14.604	13.254	14.758	14.907	14.650
85	5.911	5.636	6.221	5.936	6.023
90	4.566	4.485	4.967	4.744	4.735
95	4.569	4.717	5.046	5.084	4.399
100	5.678	5.917	6.204	6.203	5.901
105	7.236	6.702	7.307	7.123	7.678
110	5.786	6.013	5.903	6.195	5.717
115	4.425	4.715	4.620	5.075	4.846
120	4.249	4.119	4.596	4.703	4.694
125	4.288	3.950	4.627	4.411	4.600
130	3.977	3.831	4.847	4.759	5.032
135	3.899	3.881	4.695	5.047	5.346
140	3.898	3.827	4.291	4.435	5.239
145	2.894	2.685	3.425	3.385	4.152
150	2.086	2.566	2.599	2.950	3.146
155	1.840	2.178	2.303	2.934	3.072
160	2.091	2.329	2.320	2.751	2.804
165	2.212	2.332	2.380	2.293	2.656
170	2.419	2.423	2.533	2.605	2.587
175	2.873	2.704	2.835	2.467	2.760
180	2.919	2.919	2.919	2.919	2.919

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Zone	Lumens	%Lamp	%Fixt
0-20	196.92	N.A.	13.70
0-30	494.42	N.A.	34.40
0-40	793.62	N.A.	55.20
0-60	1199.72	N.A.	83.50
0-80	1399.95	N.A.	97.40
0-90	1408.39	N.A.	98.00
10-90	1359.83	N.A.	94.60
20-40	596.69	N.A.	41.50
20-50	816.06	N.A.	56.80
40-70	561.01	N.A.	39.00
60-80	200.24	N.A.	13.90
70-80	45.33	N.A.	3.20
80-90	8.44	N.A.	0.60
90-110	12.52	N.A.	0.90
90-120	17.48	N.A.	1.20
90-130	21.44	N.A.	1.50
90-150	27.04	N.A.	1.90
90-180	29.15	N.A.	2.00
110-180	16.63	N.A.	1.20
0-180	1437.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	48.56
10-20	148.36
20-30	297.50
30-40	299.19
40-50	219.37
50-60	186.74
60-70	154.91
70-80	45.33
80-90	8.44
90-100	5.56
100-110	6.95
110-120	4.96
120-130	3.96
130-140	3.47
140-150	2.13
150-160	1.17
160-170	0.69
170-180	0.25

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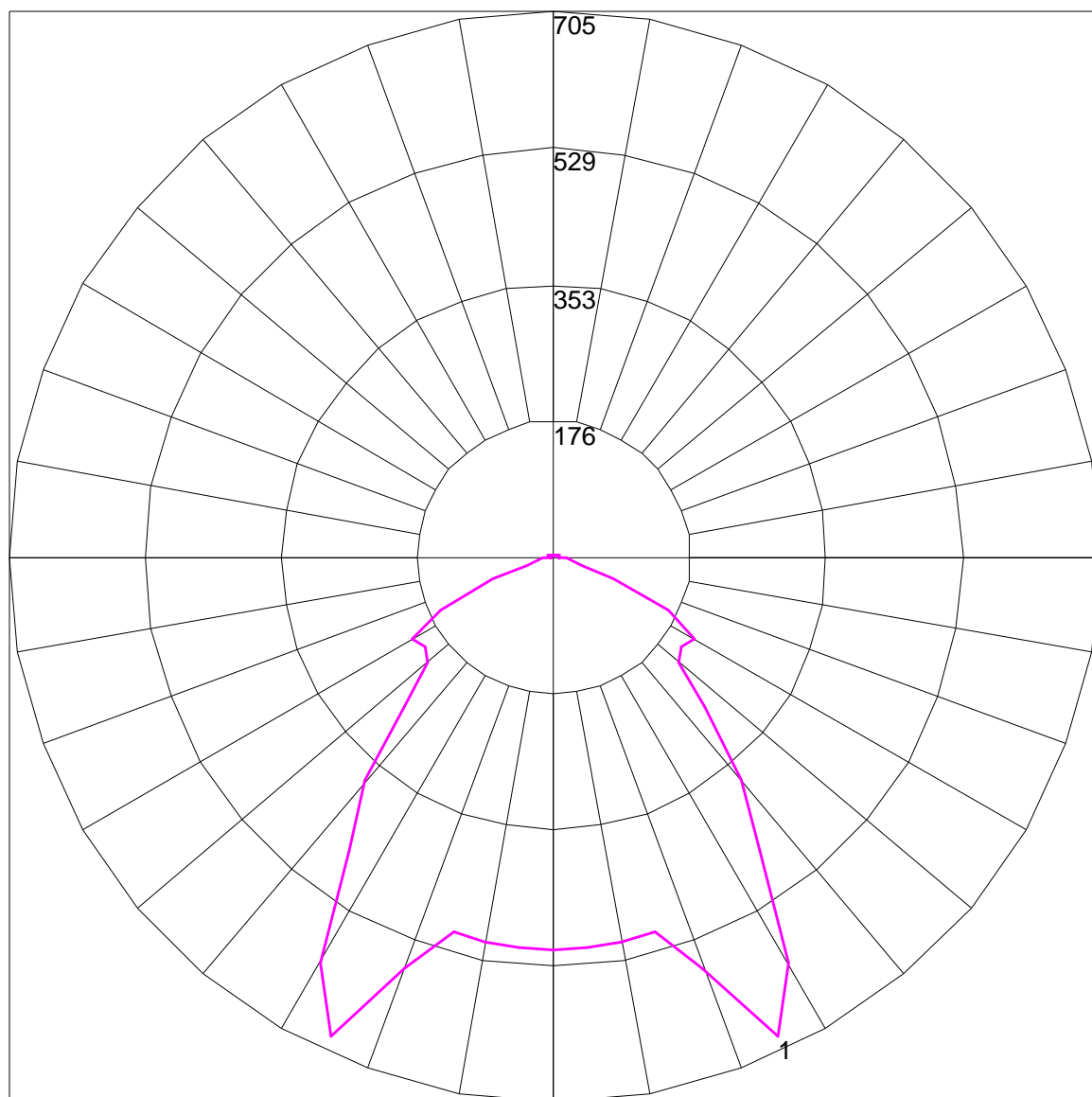
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93	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 = 705.378 Located At Horizontal Angle = 22.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)