

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00569_6 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16PCMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00569_6_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-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	1314
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	10
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

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1435	1372	1401
55	1387	1384	1392
65	1230	1279	1256
75	346	338	320
85	73	72	67

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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	432.876	432.876	432.876	432.876	432.876
5	433.116	432.971	433.588	433.055	433.699
10	431.798	432.525	434.474	433.694	432.512
15	432.353	433.754	433.999	435.096	431.713
20	470.428	472.404	467.474	471.033	479.459
25	548.806	548.253	573.344	574.431	566.727
30	506.097	503.995	501.133	500.088	467.998
35	375.133	375.149	366.533	365.941	365.236
40	293.687	294.606	297.989	298.554	295.166
45	227.951	227.551	217.947	222.012	222.519
50	207.467	207.896	210.387	209.237	215.655
55	209.180	210.395	208.757	208.696	209.926
60	213.139	213.733	215.266	216.105	225.245
65	170.100	170.276	176.784	177.194	173.575
70	89.463	89.850	82.823	84.696	75.265
75	41.987	42.236	41.007	40.762	38.884
80	17.903	18.395	16.337	16.157	13.802
85	7.377	7.656	7.315	7.035	6.749
90	6.005	5.770	5.647	5.346	5.363
95	6.207	6.357	6.230	6.130	6.071
100	7.134	7.130	7.313	7.187	7.103
105	8.228	8.087	8.328	8.072	8.294
110	8.699	8.732	8.682	9.089	8.970
115	9.519	9.766	10.046	10.135	9.606
120	11.003	11.567	11.654	11.866	11.554
125	11.898	12.485	13.227	13.525	13.075
130	14.342	15.423	16.998	16.984	17.066
135	20.232	22.221	24.291	23.341	24.993
140	20.424	24.846	29.175	28.419	29.505
145	9.943	16.491	26.532	30.524	27.985
150	3.054	5.796	15.350	22.904	21.340
155	1.918	2.389	5.367	10.081	9.391
160	2.150	2.001	2.941	4.128	4.508
165	2.217	2.064	2.016	3.237	3.117
170	2.174	2.317	2.307	2.505	2.415
175	2.473	2.790	2.515	2.470	2.500
180	2.604	2.604	2.604	2.604	2.604

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Zone	Lumens	%Lamp	%Fixt
0-20	167.38	N.A.	12.70
0-30	410.26	N.A.	31.20
0-40	649.09	N.A.	49.40
0-60	1022.25	N.A.	77.80
0-80	1231.06	N.A.	93.70
0-90	1241.1	N.A.	94.50
10-90	1199.75	N.A.	91.30
20-40	481.72	N.A.	36.70
20-50	665.41	N.A.	50.60
40-70	533.56	N.A.	40.60
60-80	208.81	N.A.	15.90
70-80	48.41	N.A.	3.70
80-90	10.03	N.A.	0.80
90-110	15.44	N.A.	1.20
90-120	25.40	N.A.	1.90
90-130	37.42	N.A.	2.80
90-150	68.45	N.A.	5.20
90-180	72.90	N.A.	5.50
110-180	57.45	N.A.	4.40
0-180	1313.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	41.35
10-20	126.03
20-30	242.88
30-40	238.84
40-50	183.69
50-60	189.47
60-70	160.40
70-80	48.41
80-90	10.03
90-100	6.88
100-110	8.56
110-120	9.96
120-130	12.02
130-140	17.21
140-150	13.82
150-160	3.46
160-170	0.75
170-180	0.24

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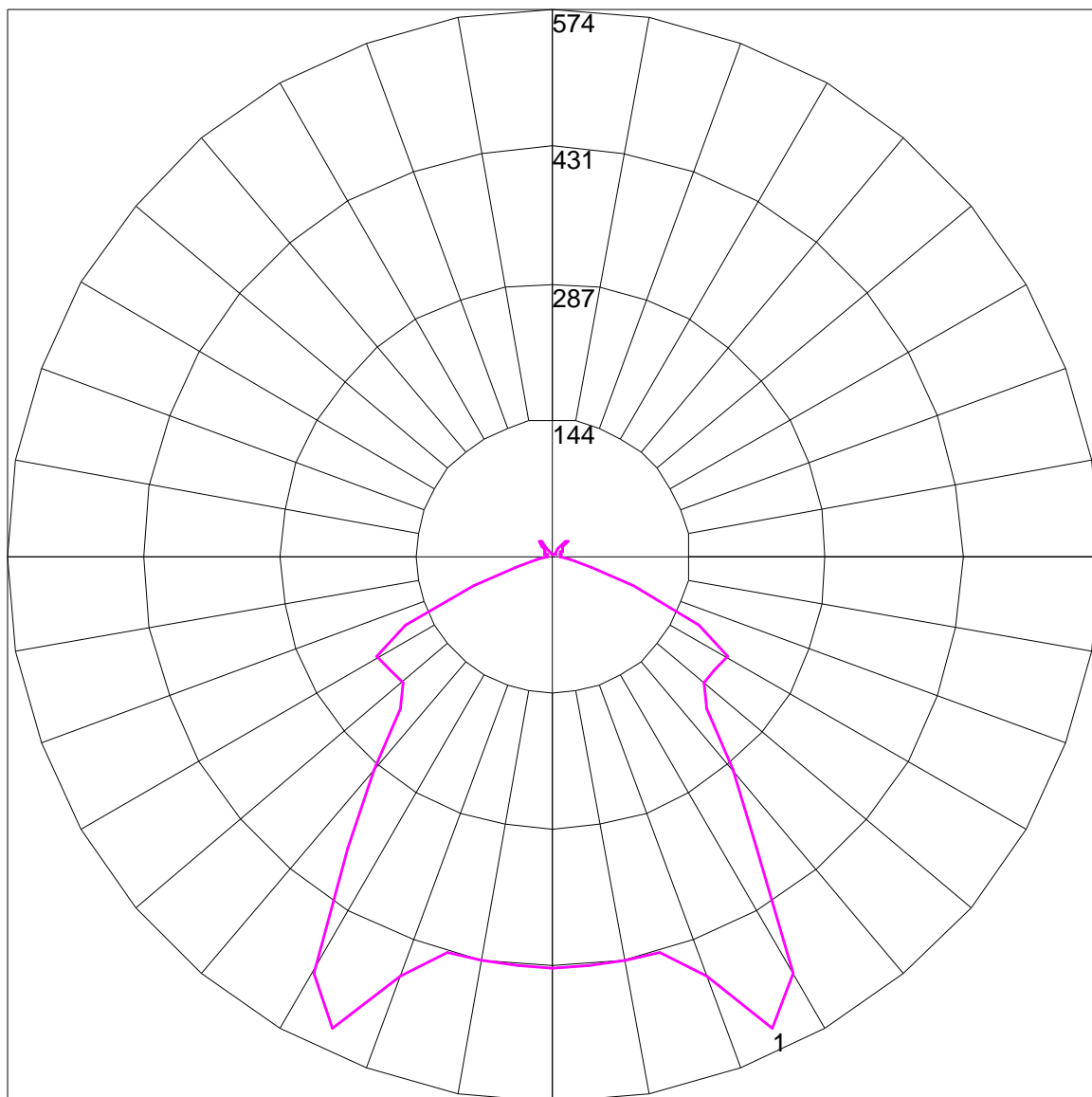
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	109	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	61	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 = 574.431 Located At Horizontal Angle = 67.5, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)