

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00569_5 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16DLMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-0056_5_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-DL-MW
 [OTHER] Acrylic Refractor / Drop Lens
 [OTHER] 133.6 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	1330
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	1.06
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.36 ft (Diameter)
Luminous Width (90-270)	1.36 ft (Diameter)
Luminous Height	0.88 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1679	1651	1711
55	2348	2365	2396
65	1534	1488	1457
75	387	375	372
85	122	116	113

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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	415.400	415.400	415.400	415.400	415.400
5	395.847	392.320	399.687	398.302	395.463
10	334.938	336.217	345.979	347.265	346.707
15	277.037	281.778	288.779	293.421	293.424
20	246.113	251.841	254.355	258.206	257.768
25	234.447	236.535	238.903	238.218	238.044
30	219.879	219.013	220.612	218.045	215.485
35	202.277	201.880	200.094	199.193	192.668
40	213.685	206.589	202.016	208.567	199.173
45	291.821	293.010	286.944	287.427	297.285
50	377.226	374.581	391.970	375.741	380.756
55	394.843	387.814	397.549	403.589	402.868
60	368.440	374.149	367.430	367.161	375.161
65	241.391	227.818	234.117	233.856	229.360
70	109.827	95.171	102.565	110.484	103.244
75	54.834	53.517	53.199	54.007	52.795
80	27.374	24.298	25.309	25.804	23.459
85	14.840	13.713	14.210	14.062	13.763
90	12.504	11.313	12.037	11.857	11.658
95	12.975	12.527	12.791	12.413	12.249
100	13.964	13.718	13.853	13.483	13.127
105	14.953	14.193	15.313	14.973	14.535
110	16.341	16.000	16.276	16.088	15.680
115	17.108	16.593	17.027	17.266	16.986
120	18.089	17.855	18.380	18.549	18.504
125	19.686	19.314	19.819	21.016	20.760
130	18.277	18.726	20.057	21.704	21.201
135	14.409	15.203	17.854	19.143	19.864
140	10.243	10.421	14.114	16.583	16.940
145	5.785	6.742	10.544	13.420	14.122
150	2.663	3.760	7.503	10.787	11.242
155	2.086	2.478	5.261	8.064	8.862
160	2.668	2.180	3.551	5.315	6.446
165	2.804	2.484	2.934	4.080	4.530
170	3.149	2.813	2.718	3.191	3.271
175	3.280	3.280	3.244	3.256	3.030
180	3.646	3.646	3.646	3.646	3.646

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Zone	Lumens	%Lamp	%Fixt
0-20	118.13	N.A.	8.90
0-30	227.43	N.A.	17.10
0-40	356.72	N.A.	26.80
0-60	930.49	N.A.	70.00
0-80	1224.48	N.A.	92.10
0-90	1242.24	N.A.	93.40
10-90	1206.1	N.A.	90.70
20-40	238.59	N.A.	17.90
20-50	466.05	N.A.	35.00
40-70	805.54	N.A.	60.60
60-80	293.99	N.A.	22.10
70-80	62.22	N.A.	4.70
80-90	17.76	N.A.	1.30
90-110	29.50	N.A.	2.20
90-120	46.45	N.A.	3.50
90-130	64.05	N.A.	4.80
90-150	83.89	N.A.	6.30
90-180	87.71	N.A.	6.60
110-180	58.21	N.A.	4.40
0-180	1329.95	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	36.14
10-20	81.98
20-30	109.30
30-40	129.29
40-50	227.46
50-60	346.31
60-70	231.77
70-80	62.22
80-90	17.76
90-100	13.81
100-110	15.69
110-120	16.95
120-130	17.60
130-140	13.30
140-150	6.54
150-160	2.56
160-170	0.96
170-180	0.30

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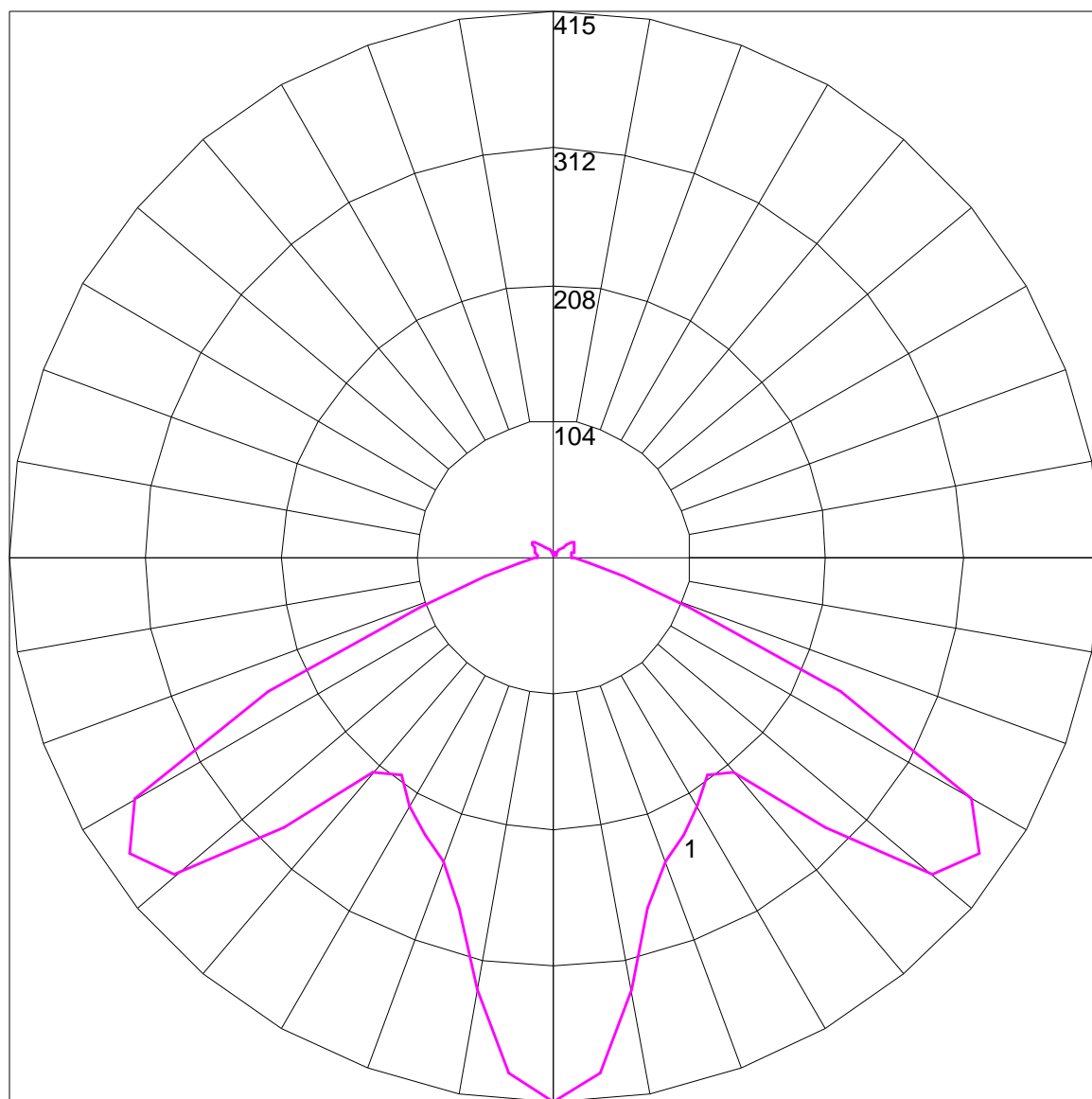
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	81	79	77
2	96	87	80	74	92	85	78	72	80	74	69	76	71	67	72	68	64	62
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	62	57	52	50
4	78	65	55	48	75	63	54	47	60	52	46	56	50	45	53	48	43	41
5	71	57	47	40	68	55	46	39	52	44	38	50	43	37	47	41	36	34
6	65	50	41	34	62	49	40	33	46	38	32	44	37	32	42	36	31	28
7	59	45	36	29	57	44	35	29	42	34	28	39	32	27	38	31	27	24
8	55	41	31	25	53	40	31	25	38	30	24	36	29	24	34	28	23	21
9	51	37	28	22	49	36	28	22	34	27	22	33	26	21	31	25	21	19
10	48	34	25	20	46	33	25	20	32	24	19	30	24	19	29	23	18	17

POLAR GRAPH



Maximum Candela = 415.4 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)