

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00569_1 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16CNFRMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00569_1_M-15L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 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-CNFR-MW
 [OTHER] Acrylic Refractor / Conical Frosted Lens
 [OTHER] 130.9 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	1356
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	136
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.78
Spacing Criterion (90-270)	1.76
Spacing Criterion (Diagonal)	1.88
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.36 ft (Diameter)
Luminous Width (90-270)	1.36 ft (Diameter)
Luminous Height	0.75 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1718	1746	1857
55	1677	1679	1657
65	1553	1454	1120
75	461	415	303
85	108	106	94

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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	244.295	244.295	244.295	244.295	244.295
5	251.523	250.415	253.590	258.401	268.537
10	286.494	285.153	291.843	299.460	318.474
15	342.580	338.923	352.380	356.700	375.483
20	394.293	391.606	398.914	410.942	418.529
25	429.717	423.772	430.331	425.983	427.931
30	419.931	415.745	412.866	402.490	390.233
35	363.804	365.427	354.683	347.981	325.702
40	299.666	303.945	292.897	293.649	281.908
45	279.262	284.878	283.947	289.478	301.924
50	297.598	292.389	301.889	288.312	281.860
55	260.202	269.765	260.553	262.817	257.193
60	250.381	252.421	251.718	249.485	251.446
65	222.112	211.925	208.038	185.644	160.233
70	110.958	119.966	100.132	97.229	74.280
75	58.317	60.355	52.489	47.086	38.384
80	26.833	28.120	23.346	21.235	15.520
85	11.437	13.165	11.214	11.067	10.021
90	9.277	9.148	9.178	9.112	8.948
95	9.609	10.138	9.848	10.154	10.355
100	10.834	11.219	11.818	12.506	13.209
105	13.801	14.877	15.824	16.981	17.640
110	18.500	18.872	19.792	20.603	20.920
115	21.275	21.725	21.343	21.714	21.140
120	20.926	21.611	21.423	21.944	20.824
125	19.439	20.006	20.407	20.638	19.720
130	17.021	17.985	18.803	18.790	18.969
135	13.324	14.674	16.959	17.375	17.653
140	9.611	11.696	13.869	13.692	15.135
145	5.686	7.973	10.983	11.280	12.723
150	2.700	5.011	8.685	10.830	11.705
155	1.791	3.325	6.957	10.314	10.634
160	1.864	2.020	4.773	7.813	8.296
165	2.211	2.125	2.664	4.134	4.208
170	2.451	2.270	2.449	2.690	2.766
175	2.432	2.470	2.719	2.898	3.093
180	2.863	2.863	2.863	2.863	2.863

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Zone	Lumens	%Lamp	%Fixt
0-20	126.13	N.A.	9.30
0-30	318.93	N.A.	23.50
0-40	539.38	N.A.	39.80
0-60	1004.23	N.A.	74.10
0-80	1250.71	N.A.	92.30
0-90	1265.88	N.A.	93.40
10-90	1240.22	N.A.	91.50
20-40	413.25	N.A.	30.50
20-50	638.37	N.A.	47.10
40-70	650.72	N.A.	48.00
60-80	246.47	N.A.	18.20
70-80	60.61	N.A.	4.50
80-90	15.18	N.A.	1.10
90-110	27.93	N.A.	2.10
90-120	48.82	N.A.	3.60
90-130	66.82	N.A.	4.90
90-150	85.59	N.A.	6.30
90-180	89.90	N.A.	6.60
110-180	61.97	N.A.	4.60
0-180	1355.78	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.66
10-20	100.47
20-30	192.80
30-40	220.45
40-50	225.12
50-60	239.73
60-70	185.86
70-80	60.61
80-90	15.18
90-100	11.21
100-110	16.73
110-120	20.89
120-130	18.00
130-140	12.35
140-150	6.42
150-160	3.07
160-170	0.98
170-180	0.25

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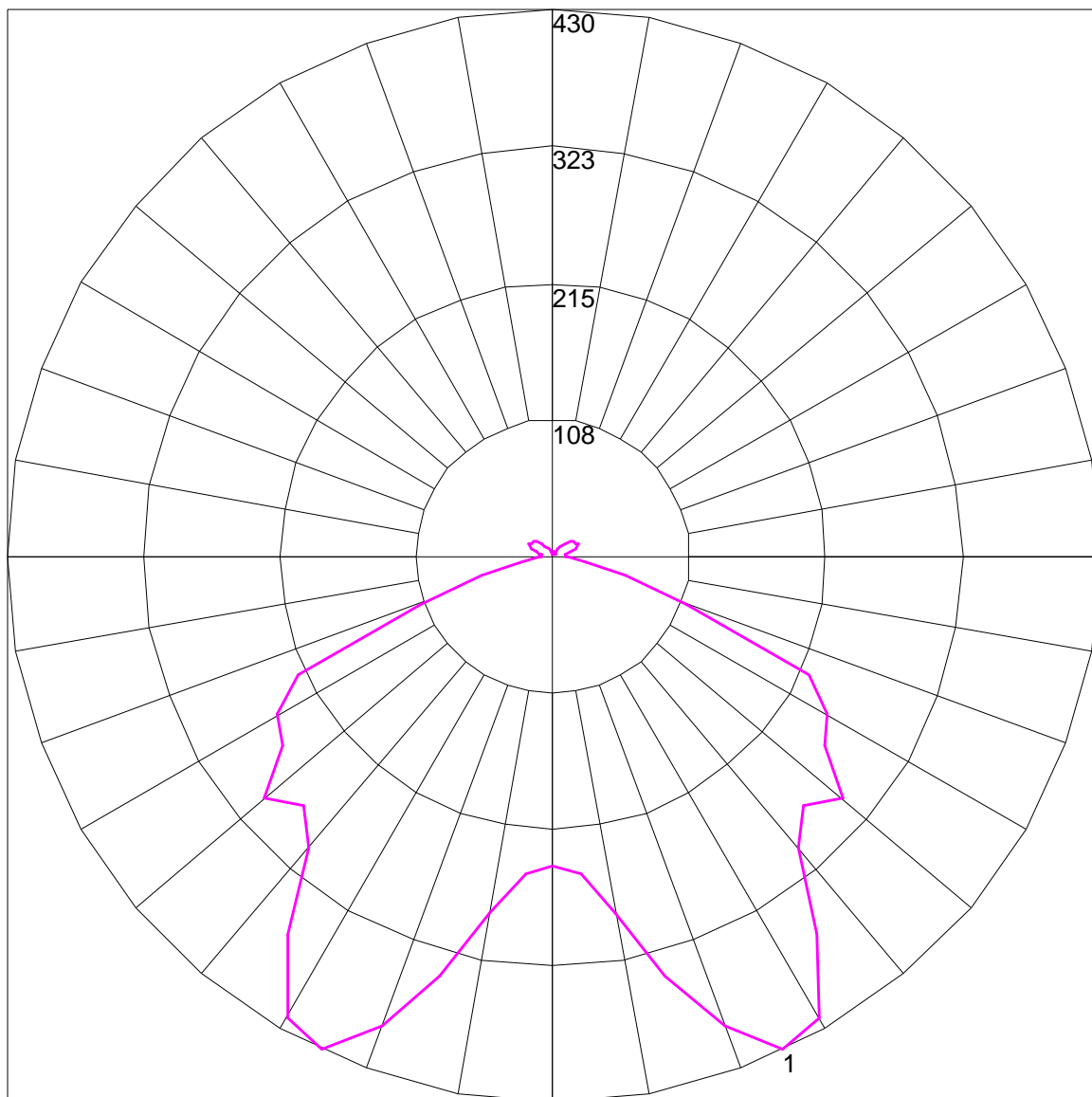
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	79
2	98	89	83	77	94	87	81	75	82	77	73	78	74	70	74	71	68	65
3	89	78	70	63	86	76	68	62	72	66	60	68	63	59	65	61	57	54
4	81	69	60	53	78	67	59	52	64	56	51	60	54	50	58	52	48	46
5	74	61	52	45	71	59	51	45	57	49	44	54	47	42	51	46	41	39
6	68	54	45	39	66	53	45	39	51	43	38	48	42	37	46	40	36	34
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	32	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	26
9	54	41	32	27	52	40	32	26	38	31	26	37	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	32	27	23	21

POLAR GRAPH



Maximum Candela = 430.331 Located At Horizontal Angle = 45, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180)