

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00569 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16CNMW.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00569\_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-CN-MW

[OTHER] Acrylic Refractor / Conical Lens

[OTHER] 98.4 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	1340
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.38
Spacing Criterion (90-270)	2.28
Spacing Criterion (Diagonal)	2.16
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00569 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16CNMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1980	1946	1865
55	1444	1448	1442
65	1389	1297	989
75	386	347	247
85	83	75	71

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00569 ~ PRDCH16SLEDGV-15L35K-EXXX-SR16CNMW.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	149.734	149.734	149.734	149.734	149.734
<b>5</b>	158.759	158.600	164.914	175.309	189.253
<b>10</b>	217.100	213.079	226.702	258.200	266.970
<b>15</b>	310.381	303.892	313.388	333.632	360.455
<b>20</b>	403.347	402.168	417.230	433.533	456.487
<b>25</b>	487.844	485.448	503.174	511.822	511.254
<b>30</b>	501.841	504.350	491.999	494.957	470.012
<b>35</b>	427.503	433.265	415.593	393.158	386.923
<b>40</b>	356.692	357.493	343.532	338.256	334.761
<b>45</b>	321.929	320.993	316.456	315.348	303.157
<b>50</b>	279.569	280.529	271.805	256.183	243.675
<b>55</b>	224.004	227.431	224.756	223.352	223.751
<b>60</b>	223.150	222.548	226.389	229.118	221.405
<b>65</b>	198.752	196.014	185.587	169.189	141.448
<b>70</b>	98.388	101.277	85.990	77.404	67.282
<b>75</b>	48.841	50.650	43.895	37.771	31.288
<b>80</b>	20.122	20.677	15.619	12.922	11.473
<b>85</b>	8.841	8.817	7.931	7.919	7.532
<b>90</b>	7.655	6.404	6.423	7.396	7.069
<b>95</b>	7.373	8.008	7.631	7.685	7.746
<b>100</b>	8.213	8.879	8.366	8.477	9.309
<b>105</b>	9.554	9.930	10.656	11.499	12.950
<b>110</b>	13.221	13.639	13.989	14.638	14.851
<b>115</b>	15.556	15.577	15.054	15.601	15.900
<b>120</b>	15.565	15.625	15.507	15.370	15.371
<b>125</b>	14.978	15.140	15.697	15.243	14.883
<b>130</b>	12.354	13.408	14.337	14.747	14.067
<b>135</b>	9.276	10.798	12.458	13.282	13.471
<b>140</b>	6.991	7.821	10.007	10.164	11.112
<b>145</b>	4.251	5.477	7.671	7.852	8.893
<b>150</b>	2.422	3.718	6.483	7.677	9.756
<b>155</b>	1.930	2.808	6.700	9.826	12.031
<b>160</b>	1.943	2.062	5.378	9.375	10.135
<b>165</b>	2.100	1.719	2.836	3.742	4.202
<b>170</b>	2.276	2.241	2.336	2.523	2.592
<b>175</b>	2.771	2.527	2.661	2.724	2.831
<b>180</b>	2.637	2.637	2.637	2.637	2.637

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Zone	Lumens	%Lamp	%Fixt
0-20	112.42	N.A.	8.40
0-30	334.81	N.A.	25.00
0-40	594.88	N.A.	44.40
0-60	1046.6	N.A.	78.10
0-80	1262.62	N.A.	94.20
0-90	1273.4	N.A.	95.00
10-90	1255.18	N.A.	93.70
20-40	482.46	N.A.	36.00
20-50	723.12	N.A.	54.00
40-70	617.89	N.A.	46.10
60-80	216.01	N.A.	16.10
70-80	49.85	N.A.	3.70
80-90	10.79	N.A.	0.80
90-110	20.16	N.A.	1.50
90-120	35.18	N.A.	2.60
90-130	48.63	N.A.	3.60
90-150	62.39	N.A.	4.70
90-180	66.53	N.A.	5.00
110-180	46.37	N.A.	3.50
0-180	1339.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	18.23
10-20	94.19
20-30	222.40
30-40	260.07
40-50	240.66
50-60	211.06
60-70	166.16
70-80	49.85
80-90	10.79
90-100	8.44
100-110	11.72
110-120	15.02
120-130	13.45
130-140	9.17
140-150	4.59
150-160	2.88
160-170	1.02
170-180	0.24

# IES INDOOR REPORT

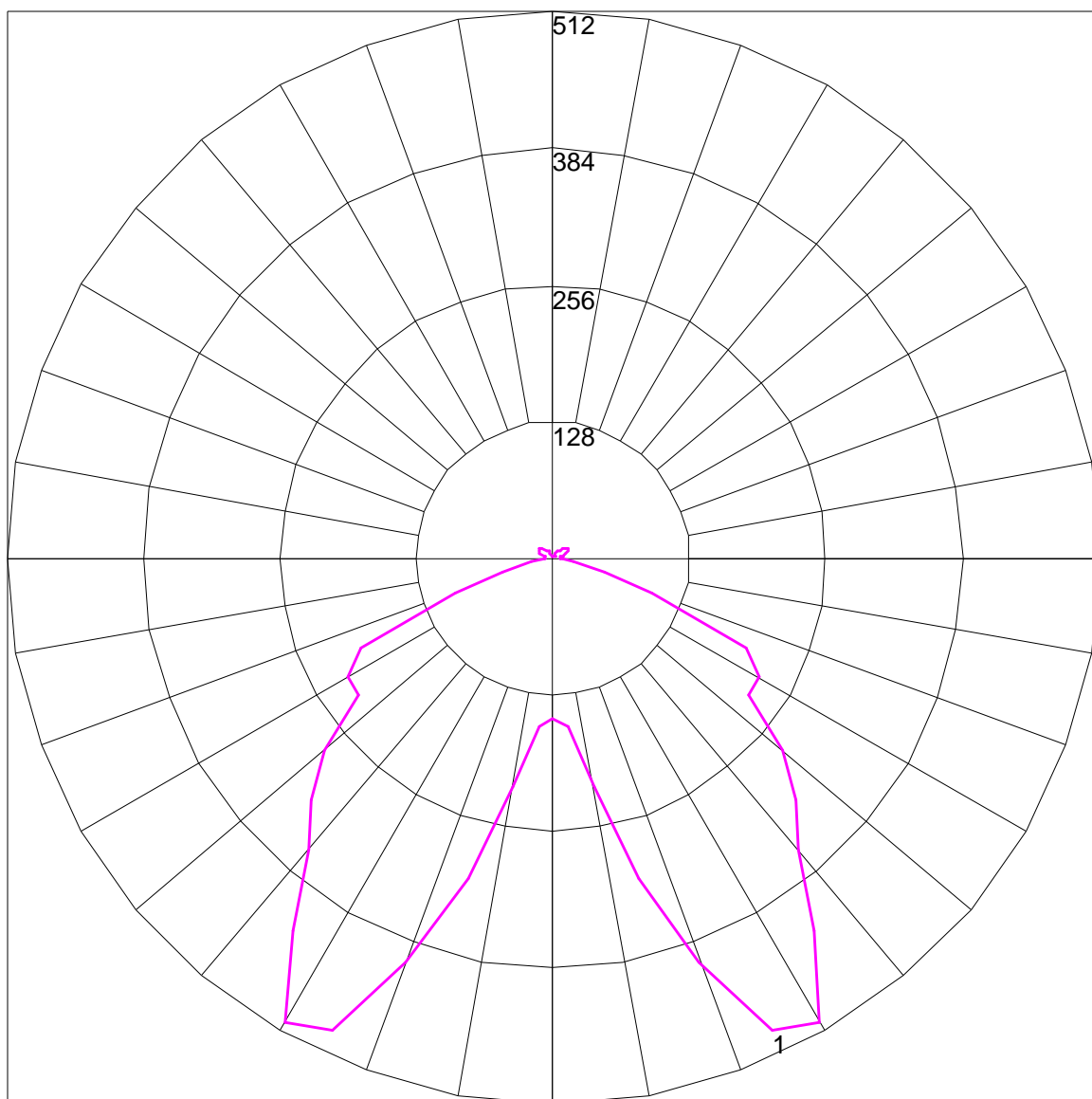
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## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	108	104	100	96	105	101	98	94	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	88	83	77	84	79	75	80	76	72	76	73	70	68
3	90	80	72	65	87	78	70	64	74	68	63	71	65	61	68	63	59	57
4	82	70	62	55	79	69	61	54	66	59	53	63	57	52	60	55	51	48
5	75	63	54	47	73	61	53	47	58	51	46	56	50	45	54	48	44	42
6	69	56	47	41	67	55	46	40	52	45	40	50	44	39	48	43	38	36
7	64	50	42	36	62	49	41	35	47	40	35	46	39	34	44	38	34	31
8	59	46	37	31	57	45	37	31	43	36	31	41	35	30	40	34	30	28
9	55	42	33	28	53	41	33	28	39	32	27	38	31	27	37	31	26	25
10	51	38	30	25	50	38	30	25	36	29	24	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 511.822 Located At Horizontal Angle = 67.5, Vertical Angle = 25  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)