

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00577_2 ~ C0812GV-55L35K-EX-TSG-SO.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00577_2
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/19/2017
 [UPDATE] 3/7/2017
 [LUMCAT] C0812GV-55L-35K-EX-TSG-SO
 [LUMINAIRE] Nom. 8" Diam x 12"H LED Cylinder downlight
 [OTHER] Internal Reflector, Semi-diffuse, clear anodized alum.
 [OTHER] Regressed Solite glass lens
 [OTHER] 68 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Gen3
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] CCT: 3500K
 [OTHER] CCT Output Multipliers: 50K x 1.06, 40K X 1.03, 30K X 0.985, 27K X 0.971
 [OTHER] Data applicable to Pendant, Surface and Wall Mount variants
 [OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3722
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.67 ft (Diameter)
Luminous Width (90-270)	0.67 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	25044	26668	29487
55	10804	12901	16046
65	2545	3068	3699
75	782	824	983
85	774	710	819

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2161.841	2161.841	2161.841	2161.841	2161.841
5	2159.620	2149.441	2149.659	2147.046	2148.714
10	2200.045	2180.323	2164.988	2153.305	2152.248
15	2296.938	2253.056	2236.034	2208.798	2200.978
20	2410.553	2379.038	2355.895	2328.817	2322.952
25	2442.005	2438.502	2423.671	2412.777	2426.894
30	2131.163	2171.665	2129.258	2201.849	2237.077
35	1515.394	1576.692	1541.776	1639.459	1682.158
40	893.352	954.339	926.620	1022.868	1054.506
45	575.400	602.878	612.717	655.866	677.481
50	397.022	430.818	438.810	482.916	497.955
55	201.355	237.870	240.430	282.717	299.044
60	84.605	95.955	101.575	119.302	123.252
65	34.952	40.564	42.130	49.047	50.791
70	13.452	16.302	16.904	21.165	20.631
75	6.577	6.387	6.933	8.072	8.267
80	3.038	3.260	3.808	3.973	3.580
85	2.192	1.837	2.010	2.362	2.319
90	1.852	1.025	1.533	0.731	1.319

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	846.01	N.A.	22.70
0-30	1929.88	N.A.	51.80
0-40	2910.58	N.A.	78.20
0-60	3658.39	N.A.	98.30
0-80	3719.58	N.A.	99.90
0-90	3722.05	N.A.	100.00
10-90	3516.00	N.A.	94.50
20-40	2064.58	N.A.	55.50
20-50	2576.82	N.A.	69.20
40-70	799.56	N.A.	21.50
60-80	61.19	N.A.	1.60
70-80	9.44	N.A.	0.30
80-90	2.46	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3722.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.04
10-20	639.96
20-30	1083.87
30-40	980.70
40-50	512.24
50-60	235.56
60-70	51.76
70-80	9.44
80-90	2.46
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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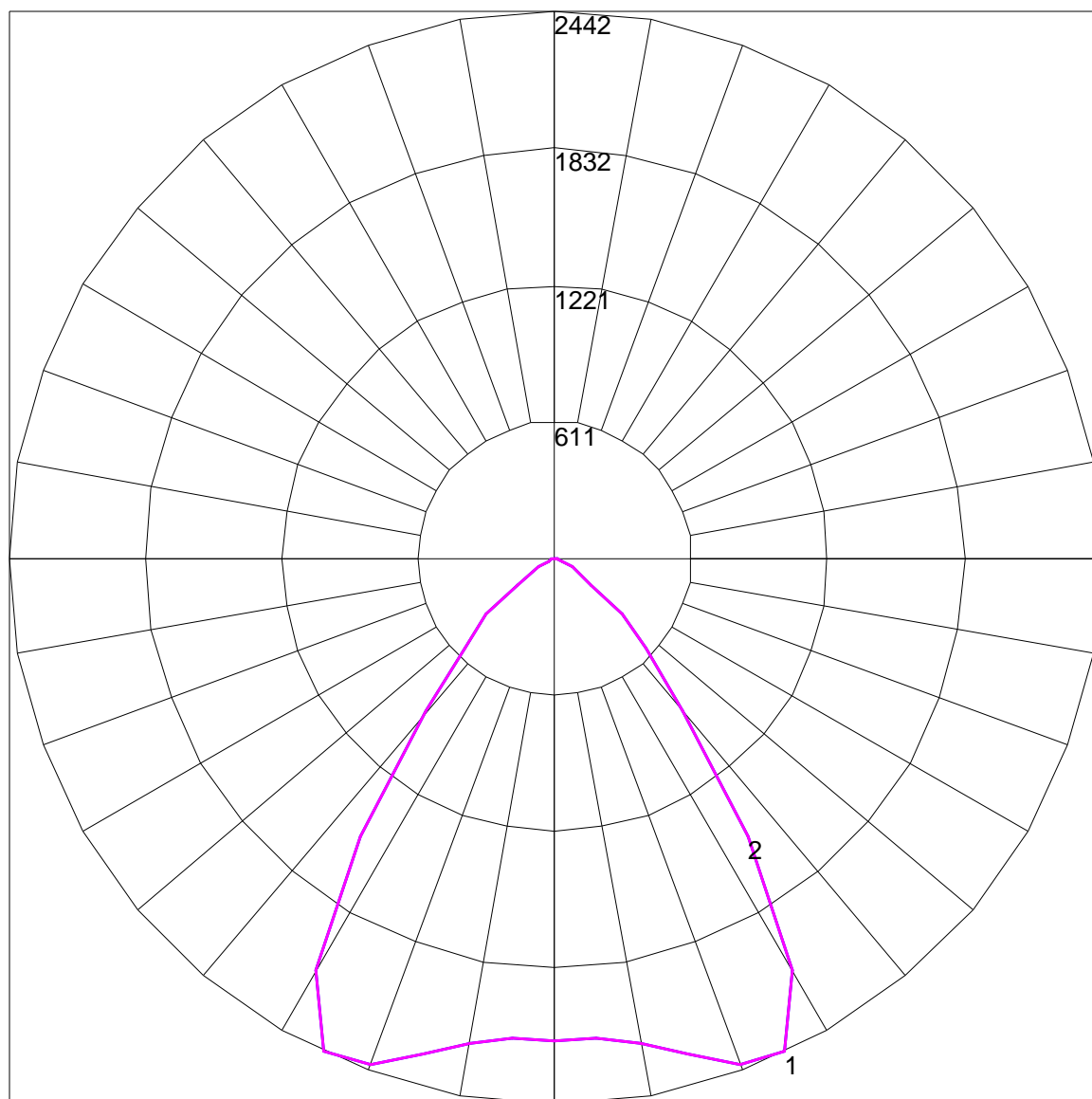
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	111	111	106	106	106	102	102	102	100
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	68
5	87	77	70	65	85	76	70	65	74	69	64	72	67	64	71	66	63	61
6	81	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43
10	64	53	46	42	63	52	46	42	51	45	41	51	45	41	50	45	41	40

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POLAR GRAPH



Maximum Candela = 2442.005 Located At Horizontal Angle = 0, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)