

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00577_2 ~ C0812GV-37L35K-EX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00577_2_M-37L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/19/2017
 [UPDATE] 3/1/2017
 [LUMCAT] C0812GV-37L-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 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, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2527
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	26
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00577_2 ~ C0812GV-37L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17005	18108	20022
55	7336	8760	10895
65	1728	2083	2511
75	531	560	667
85	525	482	556

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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	1467.890	1467.890	1467.890	1467.890	1467.890
5	1466.382	1459.470	1459.619	1457.844	1458.977
10	1493.831	1480.439	1470.027	1462.094	1461.376
15	1559.621	1529.825	1518.267	1499.774	1494.464
20	1636.766	1615.367	1599.653	1581.267	1577.284
25	1658.121	1655.743	1645.673	1638.276	1647.861
30	1447.060	1474.561	1445.766	1495.056	1518.975
35	1028.953	1070.574	1046.866	1113.193	1142.185
40	606.586	647.996	629.175	694.527	716.010
45	390.697	409.354	416.035	445.333	460.010
50	269.578	292.525	297.952	327.900	338.111
55	136.720	161.514	163.252	191.965	203.051
60	57.447	65.153	68.969	81.006	83.688
65	23.732	27.543	28.606	33.303	34.487
70	9.134	11.069	11.478	14.371	14.008
75	4.466	4.337	4.708	5.481	5.613
80	2.063	2.214	2.586	2.698	2.431
85	1.488	1.247	1.365	1.604	1.575
90	1.258	0.696	1.041	0.496	0.896

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	574.44	N.A.	22.70
0-30	1310.39	N.A.	51.90
0-40	1976.29	N.A.	78.20
0-60	2484.05	N.A.	98.30
0-80	2525.6	N.A.	99.90
0-90	2527.27	N.A.	100.00
10-90	2387.37	N.A.	94.50
20-40	1401.85	N.A.	55.50
20-50	1749.66	N.A.	69.20
40-70	542.90	N.A.	21.50
60-80	41.55	N.A.	1.60
70-80	6.41	N.A.	0.30
80-90	1.67	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	2527.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.90
10-20	434.54
20-30	735.95
30-40	665.90
40-50	347.81
50-60	159.95
60-70	35.14
70-80	6.41
80-90	1.67
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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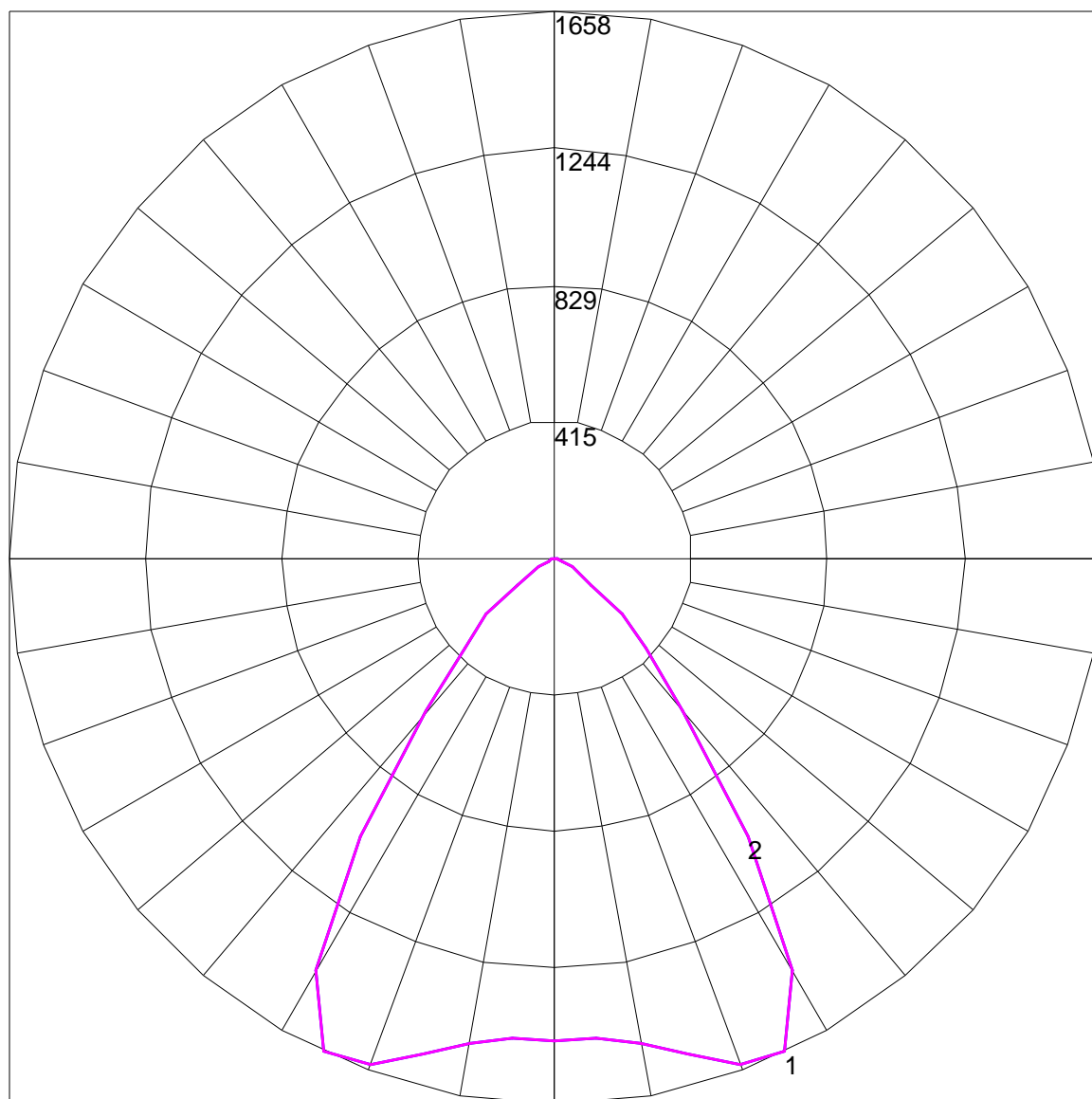
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	82	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	50	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 = 1658.121 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)