

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00577_2 ~ C0812GV-15L35K-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] 6/22/2017
 [UPDATE] 3/1/2017
 [LUMCAT] C0812GV-15L-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	987
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	10
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	6639	7070	7817
55	2864	3420	4254
65	675	813	981
75	207	219	261
85	205	188	217

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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	573.104	573.104	573.104	573.104	573.104
5	572.515	569.817	569.875	569.182	569.624
10	583.232	578.004	573.938	570.841	570.561
15	608.918	597.285	592.773	585.552	583.479
20	639.038	630.683	624.548	617.369	615.815
25	647.376	646.447	642.515	639.627	643.370
30	564.971	575.708	564.466	583.710	593.049
35	401.731	417.981	408.725	434.621	445.940
40	236.828	252.995	245.647	271.162	279.550
45	152.539	159.823	162.431	173.870	179.600
50	105.251	114.210	116.329	128.021	132.008
55	53.379	63.059	63.738	74.948	79.277
60	22.429	25.438	26.928	31.627	32.674
65	9.266	10.754	11.169	13.002	13.465
70	3.566	4.322	4.481	5.611	5.469
75	1.744	1.693	1.838	2.140	2.192
80	0.805	0.864	1.010	1.053	0.949
85	0.581	0.487	0.533	0.626	0.615
90	0.491	0.272	0.406	0.194	0.350

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	224.28	N.A.	22.70
0-30	511.61	N.A.	51.80
0-40	771.60	N.A.	78.20
0-60	969.84	N.A.	98.30
0-80	986.06	N.A.	99.90
0-90	986.71	N.A.	100.00
10-90	932.09	N.A.	94.50
20-40	547.32	N.A.	55.50
20-50	683.11	N.A.	69.20
40-70	211.96	N.A.	21.50
60-80	16.22	N.A.	1.60
70-80	2.50	N.A.	0.30
80-90	0.65	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	986.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	54.62
10-20	169.65
20-30	287.33
30-40	259.98
40-50	135.80
50-60	62.45
60-70	13.72
70-80	2.50
80-90	0.65
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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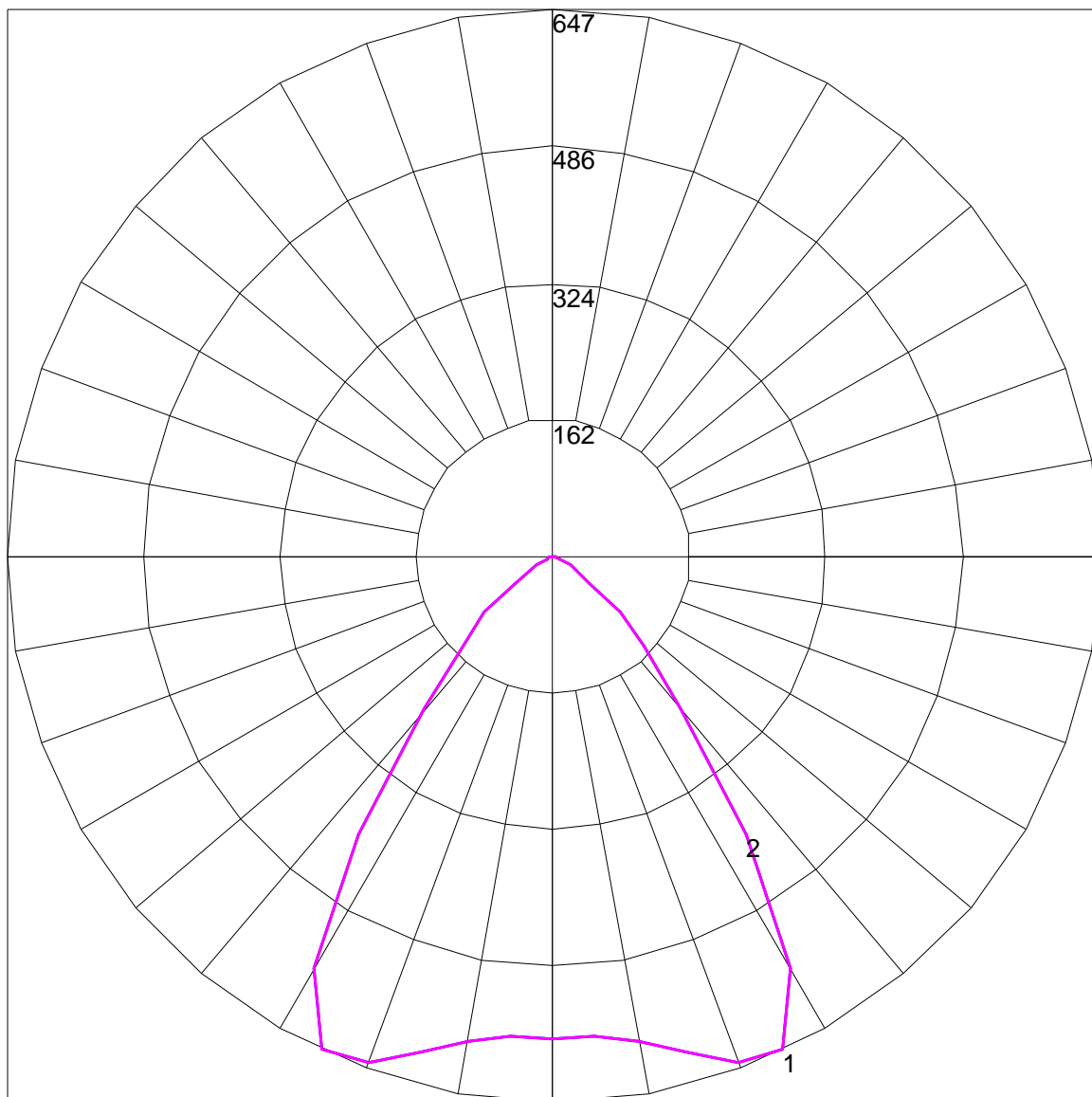
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	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	68	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	76	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	48	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 = 647.376 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)