

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00577_2 ~ C0812GV-27L35K-EX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00577_2

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 6/22/2017

[UPDATE] 3/1/2017

[LUMCAT] C0812GV-27L-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	1723
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	18
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	11593	12345	13650
55	5001	5972	7428
65	1178	1420	1712
75	362	382	455
85	358	328	379

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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	1000.716	1000.716	1000.716	1000.716	1000.716
5	999.688	994.976	995.077	993.868	994.640
10	1018.401	1009.272	1002.173	996.765	996.276
15	1063.253	1042.940	1035.060	1022.453	1018.833
20	1115.845	1101.257	1090.544	1078.009	1075.295
25	1130.404	1128.783	1121.917	1116.875	1123.409
30	986.515	1005.264	985.634	1019.236	1035.543
35	701.476	729.851	713.688	758.906	778.671
40	413.533	441.764	428.932	473.486	488.131
45	266.353	279.072	283.627	303.600	313.606
50	183.781	199.426	203.125	223.542	230.503
55	93.207	110.110	111.295	130.870	138.427
60	39.164	44.418	47.019	55.225	57.053
65	16.179	18.777	19.502	22.704	23.511
70	6.227	7.546	7.825	9.797	9.550
75	3.044	2.957	3.209	3.737	3.827
80	1.406	1.509	1.763	1.839	1.657
85	1.015	0.850	0.930	1.093	1.073
90	0.857	0.474	0.710	0.338	0.611

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	391.62	N.A.	22.70
0-30	893.34	N.A.	51.80
0-40	1347.31	N.A.	78.20
0-60	1693.47	N.A.	98.30
0-80	1721.8	N.A.	99.90
0-90	1722.94	N.A.	100.00
10-90	1627.56	N.A.	94.50
20-40	955.69	N.A.	55.50
20-50	1192.81	N.A.	69.20
40-70	370.12	N.A.	21.50
60-80	28.33	N.A.	1.60
70-80	4.37	N.A.	0.30
80-90	1.14	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	1722.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.38
10-20	296.24
20-30	501.72
30-40	453.97
40-50	237.12
50-60	109.04
60-70	23.96
70-80	4.37
80-90	1.14
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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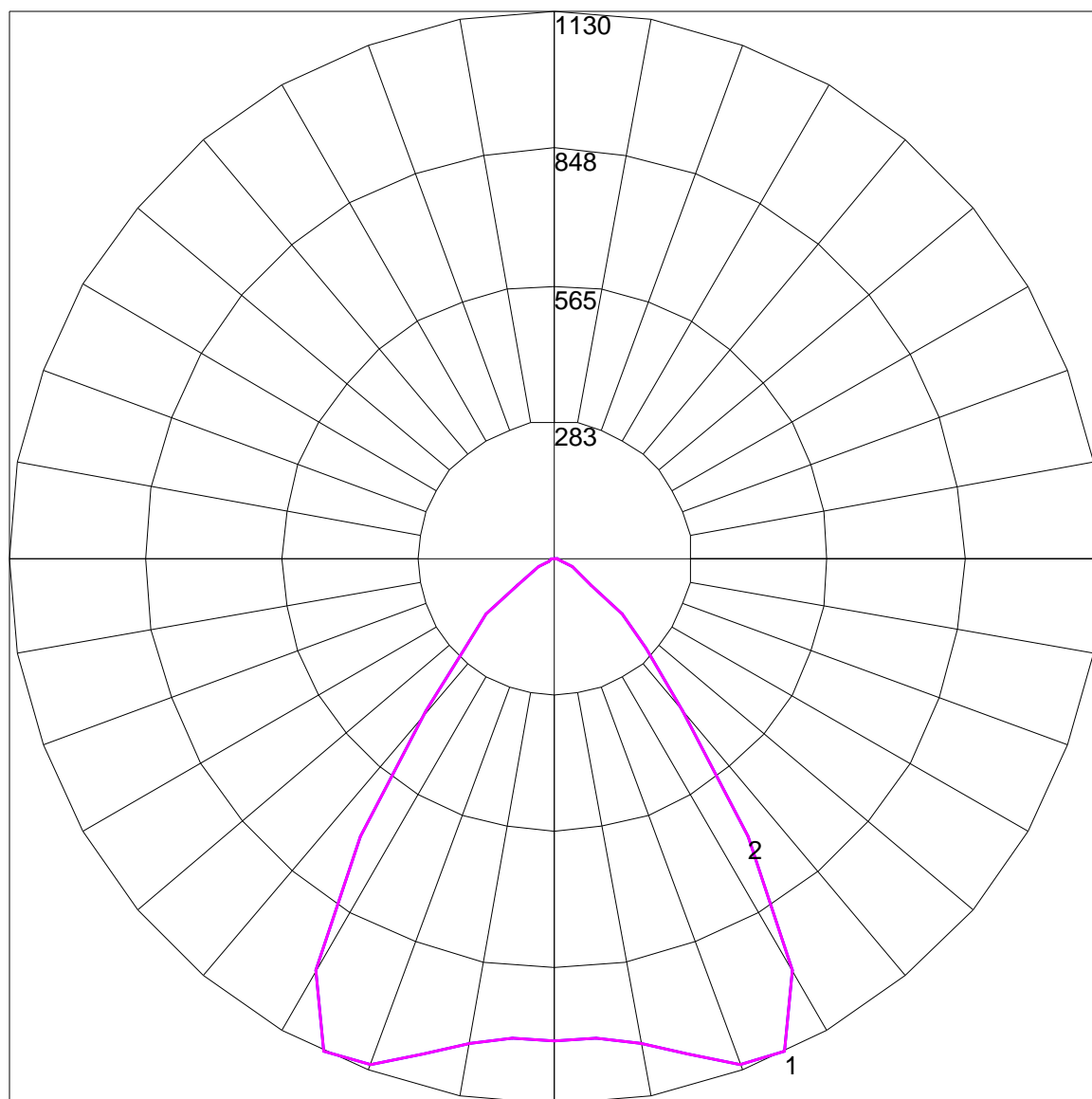
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 1130.404 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)