

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00583 ~ C1210SQGV-15L35K-EX-TSG-SO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] SP-00583_M-15L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 4/20/2017

[UPDATE] 3/7/2018

[LUMCAT] C1210SQGV-15L-35K-EX-TSO-xx-MW

[LUMINAIRE] Nom. 12" Square x 10"H LED Downlight Cylinder

[OTHER] Internal Reflector, Semi-diffuse, low iridescent clear finish

[OTHER] Solite lens, Matte White outer finish

[OTHER] 65.6 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] This report prepared by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1031
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.08
Spacing Criterion (90-270)	1.10
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.67 ft
Luminous Width (90-270)	0.67 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00583 ~ C1210SQGV-15L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5061	5667	5196
55	4493	4355	4886
65	3682	3631	4039
75	2822	2846	3228
85	1397	1601	2193

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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	618.954	618.954	618.954	618.954	618.954
5	621.084	620.116	619.505	618.606	618.536
10	621.423	620.673	620.782	619.679	618.502
15	616.091	616.130	619.741	619.279	615.193
20	598.076	606.551	613.007	611.483	601.533
25	537.831	571.988	596.065	586.628	550.016
30	396.840	462.485	549.455	492.397	427.002
35	243.134	303.227	433.438	334.703	274.929
40	164.343	186.284	273.720	199.686	179.387
45	147.607	149.746	165.275	152.393	151.530
50	131.163	132.377	123.404	135.044	137.424
55	106.303	109.206	103.022	113.936	115.599
60	83.664	85.406	82.805	89.415	91.293
65	64.181	65.598	63.294	68.689	70.397
70	45.748	46.627	45.798	50.373	51.843
75	30.125	30.701	30.387	33.092	34.462
80	16.208	16.545	16.675	18.949	19.845
85	5.023	5.620	5.756	7.101	7.884
90	0.855	0.325	0.708	0.397	0.493

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	233.58	N.A.	22.70
0-30	490.94	N.A.	47.60
0-40	700.64	N.A.	67.90
0-60	922.89	N.A.	89.50
0-80	1022.8	N.A.	99.20
0-90	1031.11	N.A.	100.00
10-90	971.96	N.A.	94.30
20-40	467.06	N.A.	45.30
20-50	591.80	N.A.	57.40
40-70	288.22	N.A.	28.00
60-80	99.91	N.A.	9.70
70-80	33.94	N.A.	3.30
80-90	8.31	N.A.	0.80
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	1031.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.16
10-20	174.43
20-30	257.36
30-40	209.70
40-50	124.75
50-60	97.51
60-70	65.97
70-80	33.94
80-90	8.31
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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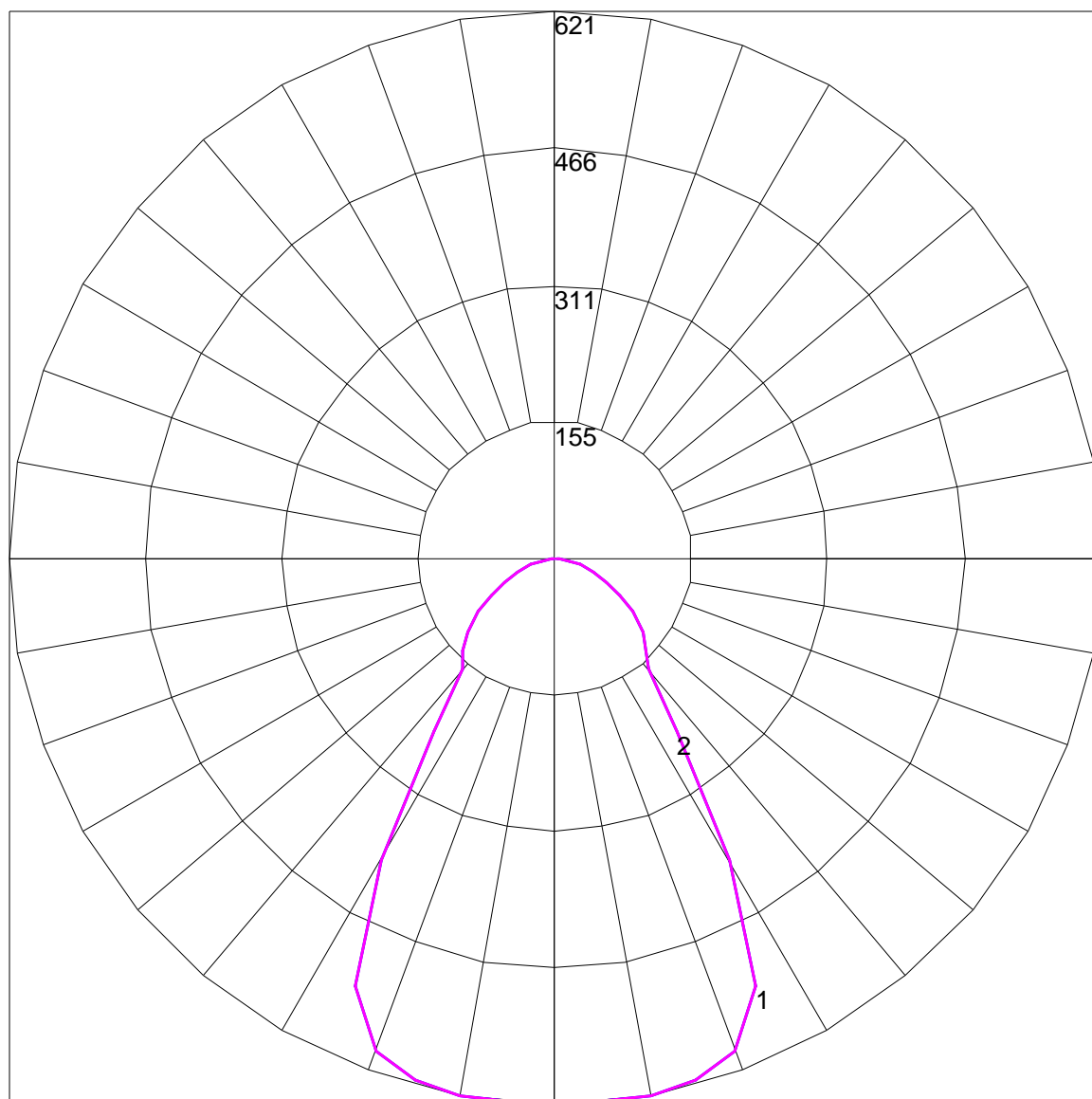
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	50	45	68	57	50	45	55	49	44	54	48	44	53	48	44	42
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

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POLAR GRAPH



Maximum Candela = 621.423 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)