

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00583 ~ C1210SQGV-55L35K-EX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00583

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/20/2017

[UPDATE] 3/6/2018

[LUMCAT] C1210SQGV-55L-35K-EX-TSG-SO

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

[OTHER] Internal Reflector, Semi-diffuse, clear anodized alum.

[OTHER] Regressed 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] Data applicaable 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	3890
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	39
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-55L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	19091	21376	19598
55	16950	16426	18432
65	13889	13697	15234
75	10645	10737	12177
85	5270	6040	8273

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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	2334.796	2334.796	2334.796	2334.796	2334.796
5	2342.828	2339.179	2336.872	2333.483	2333.218
10	2344.109	2341.277	2341.691	2337.531	2333.088
15	2323.995	2324.143	2337.764	2336.019	2320.607
20	2256.038	2288.010	2312.360	2306.614	2269.081
25	2028.786	2157.631	2248.454	2212.855	2074.749
30	1496.943	1744.567	2072.632	1857.401	1610.719
35	917.139	1143.821	1634.999	1262.554	1037.077
40	619.927	702.694	1032.516	753.249	676.675
45	556.796	564.867	623.443	574.851	571.594
50	494.769	499.347	465.499	509.407	518.384
55	400.992	411.941	388.614	429.785	436.057
60	315.595	322.167	312.354	337.288	344.372
65	242.102	247.448	238.757	259.106	265.548
70	172.570	175.886	172.758	190.016	195.559
75	113.635	115.811	114.626	124.827	129.995
80	61.141	62.410	62.899	71.479	74.858
85	18.946	21.198	21.714	26.785	29.740
90	3.227	1.225	2.672	1.499	1.860

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	881.11	N.A.	22.70
0-30	1851.9	N.A.	47.60
0-40	2642.92	N.A.	67.90
0-60	3481.3	N.A.	89.50
0-80	3858.17	N.A.	99.20
0-90	3889.52	N.A.	100.00
10-90	3666.38	N.A.	94.30
20-40	1761.81	N.A.	45.30
20-50	2232.38	N.A.	57.40
40-70	1087.21	N.A.	28.00
60-80	376.86	N.A.	9.70
70-80	128.03	N.A.	3.30
80-90	31.36	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	3889.52	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	223.15
10-20	657.97
20-30	970.79
30-40	791.02
40-50	470.56
50-60	367.81
60-70	248.84
70-80	128.03
80-90	31.36
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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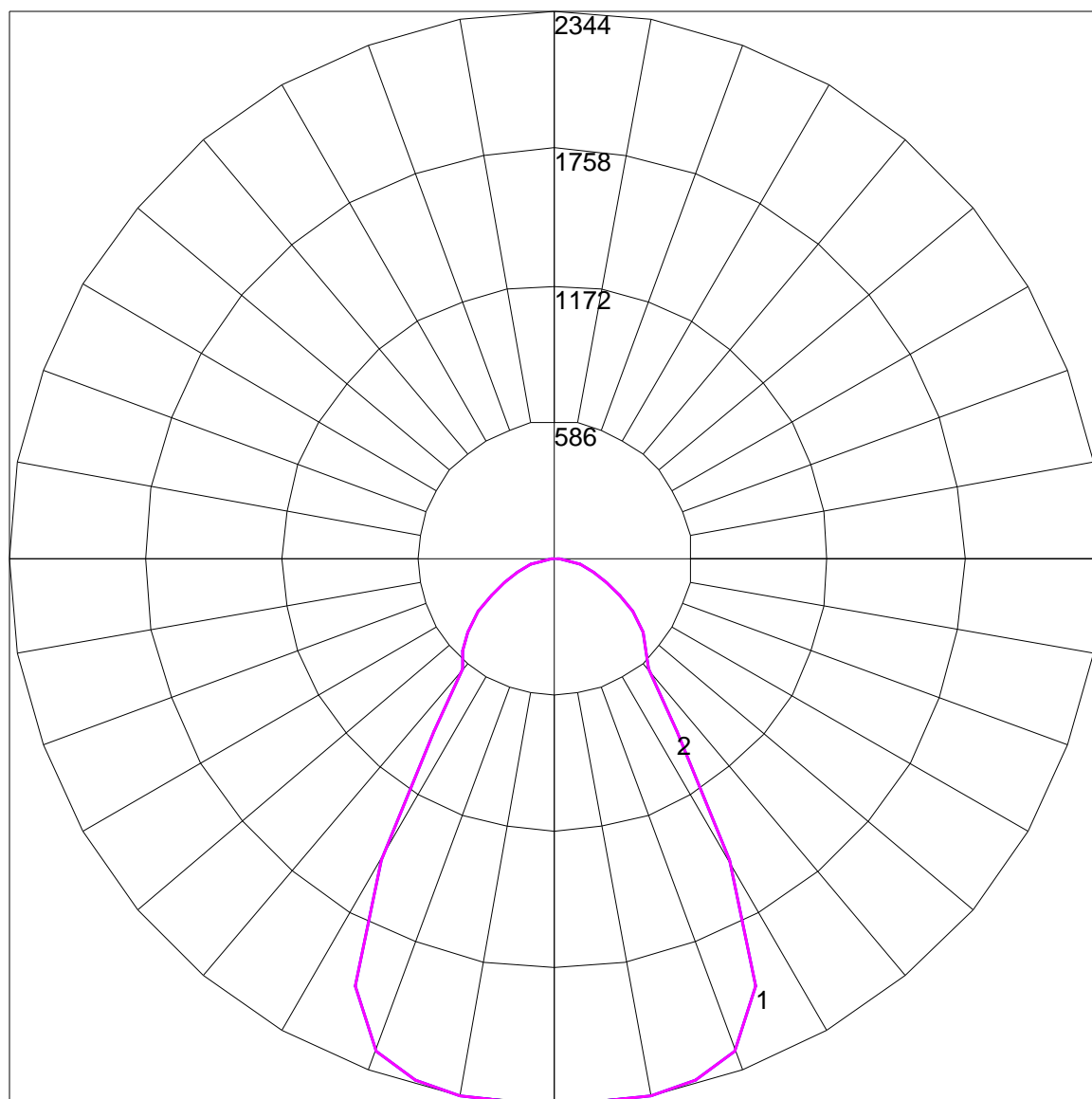
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	59	53	48	58	52	48	57	52	48	46
8	69	57	50	45	67	57	49	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 = 2344.109 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)