

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00582 ~ C1210GV-55L35K-EXXX-TSG-SO-XXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00582
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/20/2017
 [UPDATE] 3/2/2018
 [LUMCAT] C1210GV-55L-35K-EXxx-TSG-SO-xx-MW
 [LUMINAIRE] Nom.12" Diam x 10"H LED Downlight Cylinder
 [OTHER] Internal Reflector, Semi-diffuse, clear anodized alum.
 [OTHER] Regressed Solite lens, Matte White outer finish
 [OTHER] 62.7 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3038
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.12
Spacing Criterion (90-270)	1.12
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.59 ft (Diameter)
Luminous Width (90-270)	0.59 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00582 ~ C1210GV-55L35K-EXXX-TSG-SO-XXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	17060	17587	16543
55	7417	7583	7154
65	3415	3355	3271
75	421	423	350
85	797	797	687

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2220.311	2220.311	2220.311	2220.311	2220.311
5	2355.241	2352.263	2350.697	2335.520	2316.017
10	2579.637	2575.671	2576.102	2534.099	2501.566
15	2753.011	2758.494	2752.682	2695.538	2649.586
20	2657.075	2686.681	2682.378	2638.455	2566.691
25	2200.405	2258.544	2259.865	2261.049	2167.715
30	1533.384	1604.089	1606.567	1645.178	1555.466
35	924.363	965.637	982.596	1024.172	947.583
40	534.787	552.567	560.232	583.745	531.701
45	309.822	321.313	319.376	330.428	300.431
50	182.669	190.902	186.586	191.524	174.976
55	109.253	115.390	111.704	112.954	105.384
60	66.810	70.055	66.770	65.759	63.161
65	37.061	36.644	36.419	39.040	35.504
70	13.891	15.218	13.726	13.639	13.771
75	2.798	2.427	2.814	2.199	2.327
80	1.395	1.626	1.416	1.878	1.547
85	1.784	1.571	1.783	1.547	1.538
90	1.297	0.661	1.256	0.583	1.106

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Zone	Lumens	%Lamp	%Fixt
0-20	986.81	N.A.	32.50
0-30	1986.36	N.A.	65.40
0-40	2621.89	N.A.	86.30
0-60	2992.72	N.A.	98.50
0-80	3036.4	N.A.	99.90
0-90	3037.98	N.A.	100.00
10-90	2808.13	N.A.	92.40
20-40	1635.08	N.A.	53.80
20-50	1899.62	N.A.	62.50
40-70	409.07	N.A.	13.50
60-80	43.68	N.A.	1.40
70-80	5.44	N.A.	0.20
80-90	1.58	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	3037.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	229.85
10-20	756.96
20-30	999.55
30-40	635.53
40-50	264.54
50-60	106.28
60-70	38.24
70-80	5.44
80-90	1.58
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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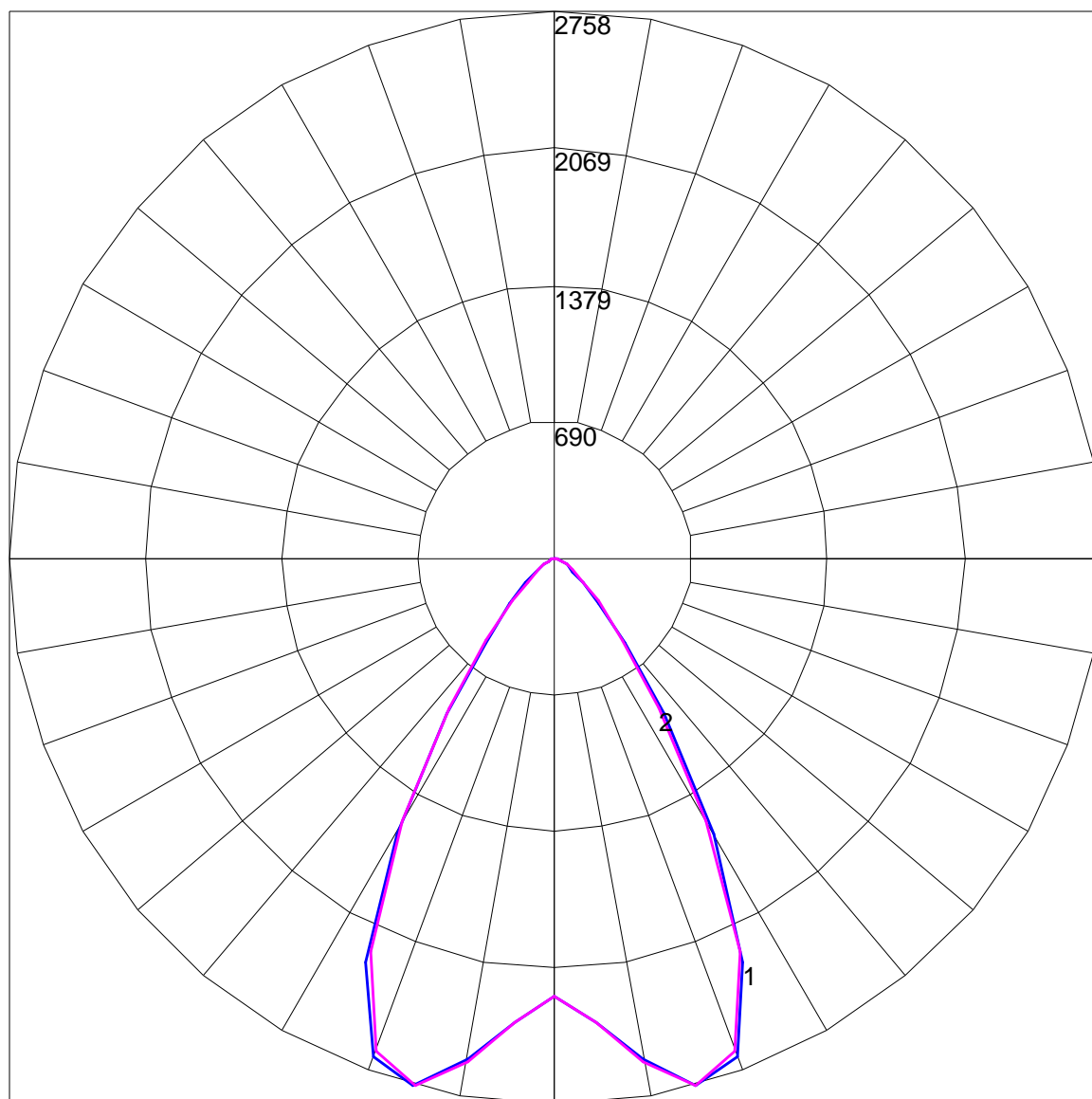
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	107	105	111	108	106	103	104	102	100	100	99	97	97	96	94	93
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85
3	101	94	89	85	99	93	88	84	90	86	82	88	84	81	85	82	80	78
4	95	87	81	77	94	86	81	76	84	79	75	82	78	75	80	77	74	72
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66
6	85	76	69	65	84	75	69	64	73	68	64	72	67	64	70	66	63	62
7	81	71	64	60	79	70	64	60	69	63	59	67	63	59	66	62	59	57
8	76	66	60	55	75	66	60	55	64	59	55	63	58	55	62	58	55	53
9	72	62	56	52	71	62	56	52	61	55	51	60	55	51	59	54	51	50
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

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POLAR GRAPH



Maximum Candela = 2758.494 Located At Horizontal Angle = 22.5, Vertical Angle = 15
1 - Vertical Plane Through Horizontal Angles (22.5 - 202.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)