

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00582 ~ C1210GV-27L35K-EXXX-TSG-SO-XXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00582_M-27L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 4/20/2017
 [UPDATE] 3/7/2018
 [LUMCAT] C1210GV-27L-35K-EX-xx-TSG-SO-xx-MW
 [LUMINAIRE] Nom.12" Diam x 10"H LED Downlight Cylinder, Wide Beam
 [OTHER] Internal Reflector, Semi-diffuse, low iridescent clear finish
 [OTHER] 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] This report prepared by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1406
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	18
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-27L35K-EXXX-TSG-SO-XXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7897	8141	7658
55	3433	3510	3312
65	1581	1553	1514
75	195	196	162
85	369	369	318

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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	1027.782	1027.782	1027.782	1027.782	1027.782
5	1090.241	1088.863	1088.138	1081.112	1072.084
10	1194.114	1192.278	1192.478	1173.034	1157.975
15	1274.369	1276.907	1274.217	1247.765	1226.493
20	1229.960	1243.665	1241.673	1221.341	1188.121
25	1018.568	1045.480	1046.092	1046.640	1003.435
30	709.803	742.533	743.680	761.553	720.025
35	427.888	446.993	454.844	474.089	438.636
40	247.553	255.783	259.331	270.216	246.124
45	143.417	148.736	147.839	152.955	139.070
50	84.557	88.369	86.371	88.656	80.996
55	50.573	53.414	51.708	52.286	48.782
60	30.926	32.428	30.908	30.440	29.237
65	17.156	16.963	16.858	18.072	16.435
70	6.430	7.044	6.354	6.313	6.375
75	1.295	1.123	1.303	1.018	1.077
80	0.646	0.753	0.655	0.869	0.716
85	0.826	0.727	0.825	0.716	0.712
90	0.600	0.306	0.581	0.270	0.512

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Zone	Lumens	%Lamp	%Fixt
0-20	456.80	N.A.	32.50
0-30	919.49	N.A.	65.40
0-40	1213.67	N.A.	86.30
0-60	1385.33	N.A.	98.50
0-80	1405.55	N.A.	99.90
0-90	1406.28	N.A.	100.00
10-90	1299.88	N.A.	92.40
20-40	756.88	N.A.	53.80
20-50	879.33	N.A.	62.50
40-70	189.36	N.A.	13.50
60-80	20.22	N.A.	1.40
70-80	2.52	N.A.	0.20
80-90	0.73	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	1406.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.40
10-20	350.40
20-30	462.69
30-40	294.19
40-50	122.46
50-60	49.20
60-70	17.70
70-80	2.52
80-90	0.73
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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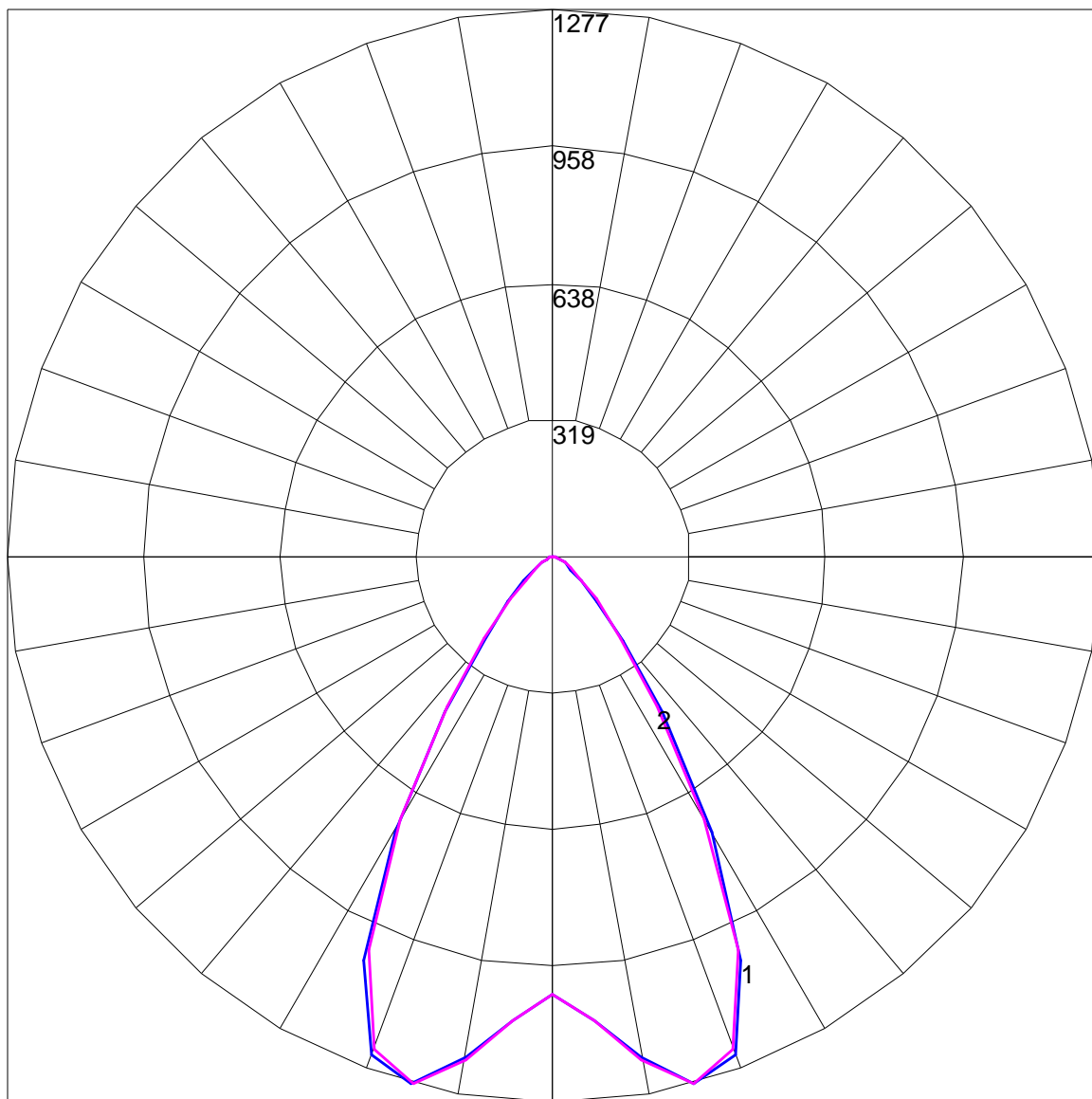
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	67
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 = 1276.907 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)