

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00582 ~ C1210GV-37L35K-EXXX-TSG-SO-XXMW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00582_M-37L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 4/20/2017
 [UPDATE] 3/7/2018
 [LUMCAT] C1210GV-37L-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	2063
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	26
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-37L35K-EXXX-TSG-SO-XXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11584	11941	11233
55	5036	5149	4858
65	2318	2278	2221
75	286	287	238
85	541	541	466

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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	1507.591	1507.591	1507.591	1507.591	1507.591
5	1599.209	1597.187	1596.123	1585.818	1572.576
10	1751.574	1748.881	1749.173	1720.653	1698.563
15	1869.295	1873.017	1869.071	1830.270	1799.069
20	1804.154	1824.256	1821.335	1791.511	1742.783
25	1494.075	1533.551	1534.448	1535.252	1471.879
30	1041.168	1089.176	1090.859	1117.076	1056.161
35	627.642	655.668	667.183	695.413	643.409
40	363.120	375.193	380.398	396.363	361.025
45	210.369	218.172	216.856	224.361	203.993
50	124.032	129.622	126.692	130.045	118.809
55	74.183	78.350	75.847	76.696	71.556
60	45.364	47.567	45.337	44.650	42.886
65	25.164	24.881	24.729	26.508	24.107
70	9.432	10.333	9.320	9.261	9.351
75	1.900	1.648	1.911	1.493	1.580
80	0.947	1.104	0.961	1.275	1.050
85	1.211	1.067	1.211	1.050	1.044
90	0.881	0.449	0.853	0.396	0.751

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Zone	Lumens	%Lamp	%Fixt
0-20	670.05	N.A.	32.50
0-30	1348.74	N.A.	65.40
0-40	1780.26	N.A.	86.30
0-60	2032.05	N.A.	98.50
0-80	2061.71	N.A.	99.90
0-90	2062.79	N.A.	100.00
10-90	1906.72	N.A.	92.40
20-40	1110.22	N.A.	53.80
20-50	1289.84	N.A.	62.50
40-70	277.76	N.A.	13.50
60-80	29.66	N.A.	1.40
70-80	3.69	N.A.	0.20
80-90	1.07	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	2062.79	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	156.07
10-20	513.98
20-30	678.69
30-40	431.53
40-50	179.62
50-60	72.17
60-70	25.97
70-80	3.69
80-90	1.07
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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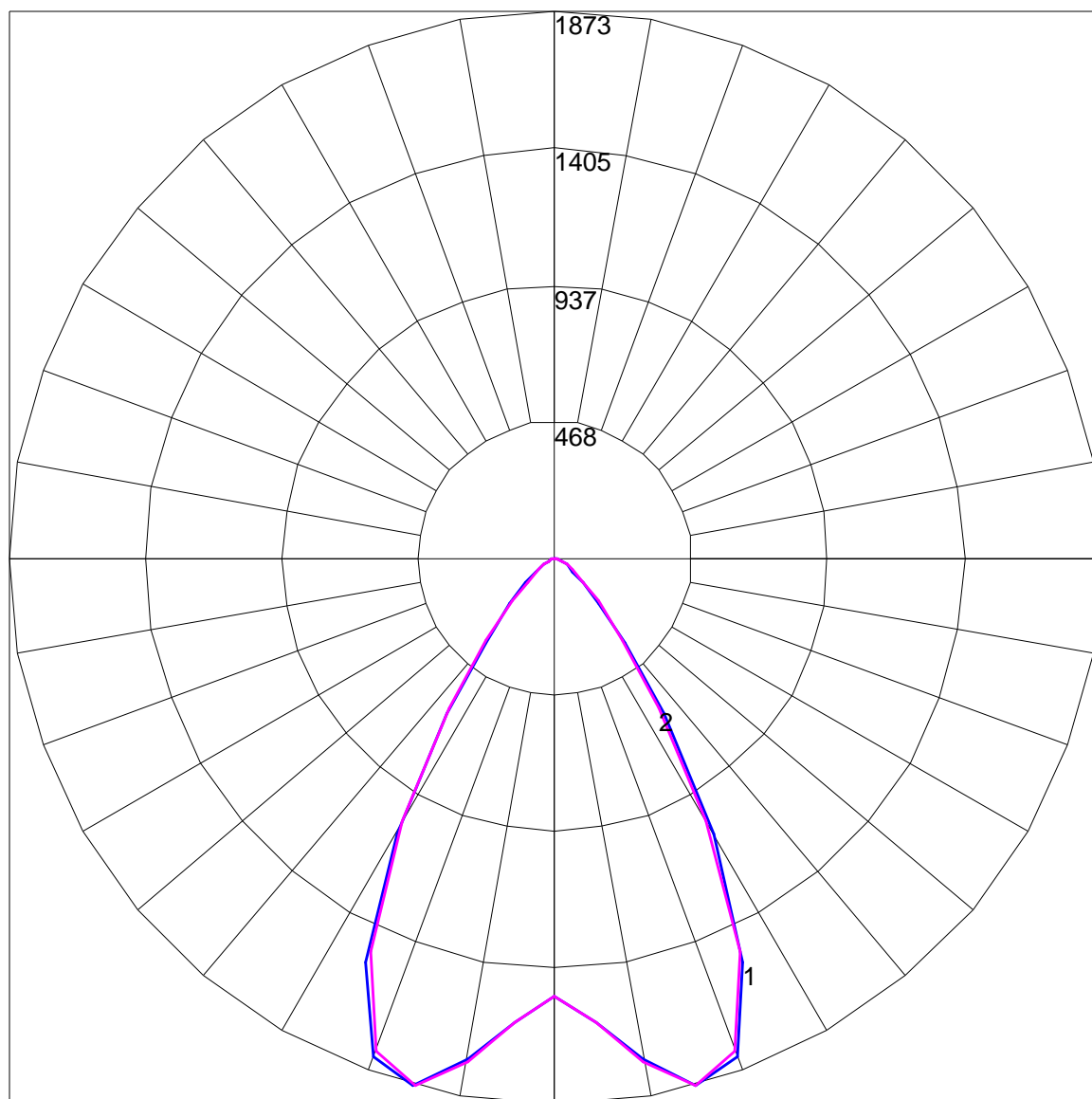
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	84	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	63	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

POLAR GRAPH



Maximum Candela = 1873.017 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)