

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00582 ~ C1210GV-15L35K-EXXX-TSG-SO-XXMW.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00582_M-15L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 4/20/2017
 [UPDATE] 3/7/2018
 [LUMCAT] C1210GV-15L-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	805
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	10
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-15L35K-EXXX-TSG-SO-XXMW.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4523	4662	4386
55	1966	2010	1896
65	905	890	867
75	112	112	93
85	211	211	182

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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	588.604	588.604	588.604	588.604	588.604
5	624.374	623.585	623.170	619.146	613.976
10	683.862	682.810	682.925	671.790	663.165
15	729.823	731.277	729.736	714.587	702.405
20	704.391	712.239	711.098	699.454	680.430
25	583.327	598.740	599.090	599.404	574.661
30	406.500	425.244	425.901	436.137	412.354
35	245.049	255.990	260.486	271.508	251.204
40	141.772	146.486	148.518	154.751	140.954
45	82.134	85.180	84.667	87.596	79.644
50	48.426	50.608	49.464	50.773	46.386
55	28.963	30.590	29.613	29.944	27.937
60	17.711	18.572	17.701	17.433	16.744
65	9.825	9.714	9.655	10.350	9.412
70	3.683	4.034	3.639	3.616	3.651
75	0.742	0.643	0.746	0.583	0.617
80	0.370	0.431	0.375	0.498	0.410
85	0.473	0.416	0.473	0.410	0.408
90	0.344	0.175	0.333	0.155	0.293

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Zone	Lumens	%Lamp	%Fixt
0-20	261.60	N.A.	32.50
0-30	526.58	N.A.	65.40
0-40	695.06	N.A.	86.30
0-60	793.37	N.A.	98.50
0-80	804.95	N.A.	99.90
0-90	805.37	N.A.	100.00
10-90	744.43	N.A.	92.40
20-40	433.46	N.A.	53.80
20-50	503.59	N.A.	62.50
40-70	108.44	N.A.	13.50
60-80	11.58	N.A.	1.40
70-80	1.44	N.A.	0.20
80-90	0.42	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	805.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.93
10-20	200.67
20-30	264.98
30-40	168.48
40-50	70.13
50-60	28.18
60-70	10.14
70-80	1.44
80-90	0.42
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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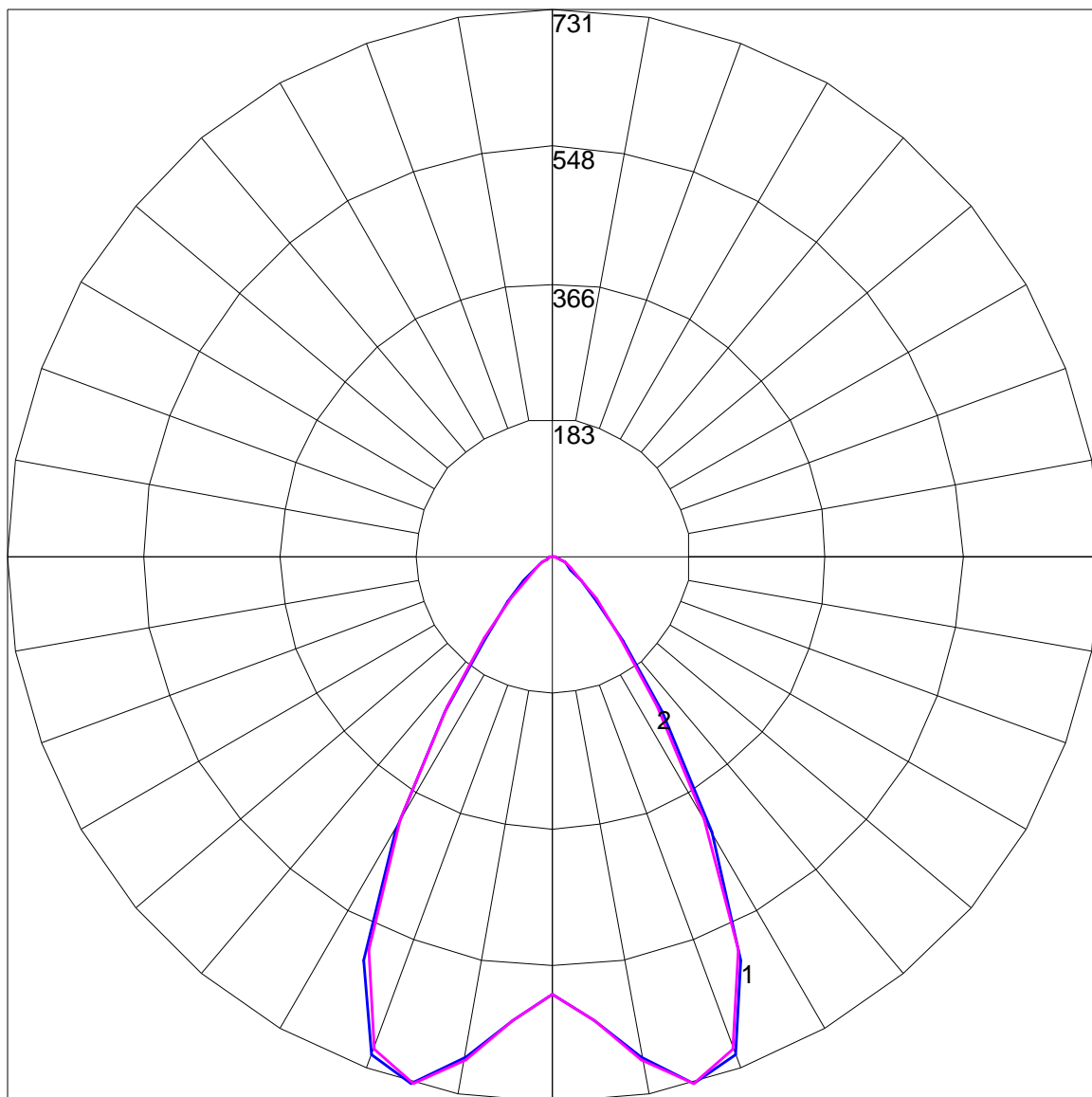
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	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	71	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	65	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	59	52	48	68	58	52	48	57	52	48	56	51	48	56	51	48	46

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POLAR GRAPH



Maximum Candela = 731.277 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)