

IES INDOOR REPORT**PHOTOMETRIC FILENAME : C1203GV-15L35KEX-TSG-SO-1FGR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00396_39_M-15L

[TESTLAB] Photopia 2017.3.0 see: www.ltiopics.com/ies

[MANUFAC] Spectrum Lighting

[ISSUEDATE] Mar 30 2018

[UPDATE] Apr 02 2018

[LUMCAT] C1203GV-15L-35K-EX-TSG-SO-1FGR

[LUMINAIRE] Nom. 12" Diam x 3"H LED Cylinder

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

[OTHER] Regressed Solite lens

[OTHER] Decorative Element: 10" Diam. Frosted Glass Ring, w/ 7.3" open center

[OTHER] 81.8 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 by Spectrum Lighting, 1FGR added to fixture via Photopia, scaled from 37L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1133
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.20
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.83 ft (Diameter)
Luminous Width (90-270)	0.83 ft (Diameter)
Luminous Height	0.08 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6015	6324	6555
55	1884	1938	2096
65	603	640	646
75	234	250	255
85	184	193	188

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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	681.727	681.727	681.727	681.727	681.727
5	670.180	680.985	682.633	686.374	687.507
10	678.041	689.705	687.503	688.190	685.980
15	671.836	674.749	681.180	685.039	679.693
20	644.395	651.713	658.336	659.035	657.555
25	597.988	615.307	615.822	621.395	616.764
30	549.328	559.223	561.555	565.651	563.218
35	474.204	486.860	487.067	499.309	492.249
40	369.108	382.674	382.178	395.483	393.413
45	242.989	256.184	255.465	268.199	264.821
50	134.836	136.808	141.166	148.124	150.944
55	64.706	63.652	66.565	67.549	71.993
60	31.318	31.248	32.548	32.611	34.419
65	16.452	16.932	17.463	17.799	17.600
70	8.236	7.970	8.333	8.118	8.607
75	4.518	4.830	4.830	4.538	4.932
80	2.780	3.026	3.140	2.976	2.901
85	1.992	2.077	2.097	2.027	2.042
90	0.765	0.652	0.590	0.574	0.699

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	256.27	N.A.	22.60
0-30	538.25	N.A.	47.50
0-40	838.74	N.A.	74.00
0-60	1107.16	N.A.	97.70
0-80	1131.14	N.A.	99.80
0-90	1133.25	N.A.	100.00
10-90	1067.96	N.A.	94.20
20-40	582.47	N.A.	51.40
20-50	782.65	N.A.	69.10
40-70	286.94	N.A.	25.30
60-80	23.97	N.A.	2.10
70-80	5.45	N.A.	0.50
80-90	2.11	N.A.	0.20
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	1133.25	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	65.28
10-20	190.99
20-30	281.98
30-40	300.50
40-50	200.18
50-60	68.24
60-70	18.52
70-80	5.45
80-90	2.11
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

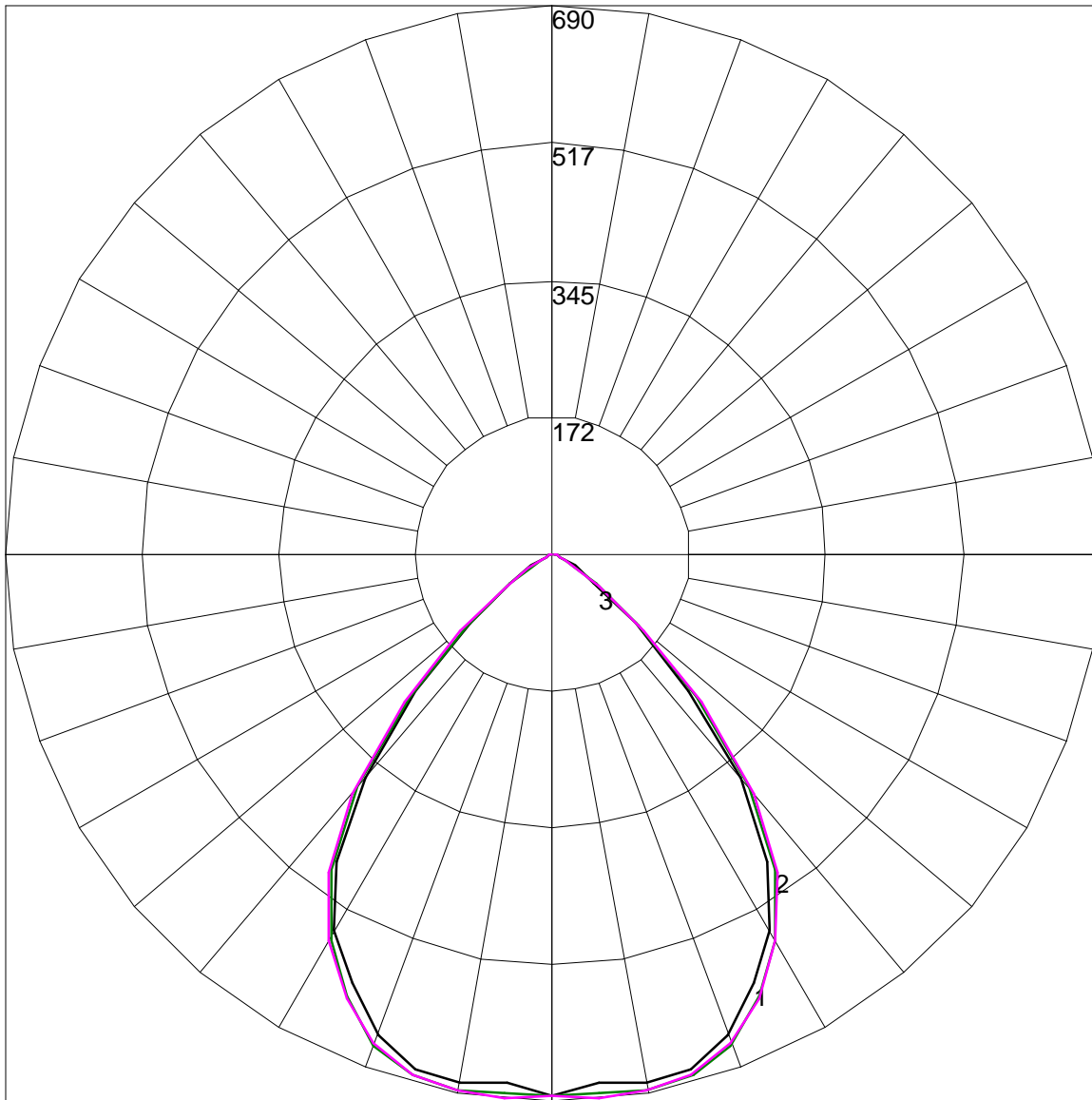
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	75	74
4	92	83	76	71	90	82	76	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60
6	81	70	63	58	79	69	62	57	67	61	57	66	61	57	65	60	56	54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38

POLAR GRAPH



Maximum Candela = 689.705 Located At Horizontal Angle = 22.5, Vertical Angle = 10

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)