

IES INDOOR REPORT**PHOTOMETRIC FILENAME : C1203GV-27L35KEX-TSG-SO-1FGR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00396_39_M-27L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] Mar 30 2018

[UPDATE] Apr 02 2018

[LUMCAT] C1203GV-27L-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	1978
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	18
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	10500	11040	11444
55	3288	3383	3658
65	1053	1118	1127
75	408	436	445
85	321	338	329

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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	1190.098	1190.098	1190.098	1190.098	1190.098
5	1169.940	1188.803	1191.680	1198.210	1200.187
10	1183.663	1204.025	1200.181	1201.380	1197.522
15	1172.831	1177.916	1189.144	1195.879	1186.547
20	1124.928	1137.703	1149.264	1150.485	1147.901
25	1043.914	1074.148	1075.048	1084.776	1076.691
30	958.968	976.242	980.312	987.463	983.216
35	827.822	849.916	850.278	871.649	859.324
40	644.356	668.039	667.173	690.398	686.785
45	424.188	447.222	445.968	468.198	462.302
50	235.384	238.827	246.435	258.582	263.504
55	112.958	111.117	116.203	117.920	125.678
60	54.672	54.550	56.820	56.929	60.085
65	28.720	29.559	30.486	31.072	30.724
70	14.377	13.913	14.547	14.173	15.025
75	7.887	8.433	8.433	7.921	8.610
80	4.854	5.283	5.481	5.195	5.065
85	3.477	3.627	3.661	3.538	3.565
90	1.336	1.138	1.029	1.002	1.220

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	447.37	N.A.	22.60
0-30	939.63	N.A.	47.50
0-40	1464.2	N.A.	74.00
0-60	1932.78	N.A.	97.70
0-80	1974.64	N.A.	99.80
0-90	1978.32	N.A.	100.00
10-90	1864.36	N.A.	94.20
20-40	1016.83	N.A.	51.40
20-50	1366.28	N.A.	69.10
40-70	500.92	N.A.	25.30
60-80	41.85	N.A.	2.10
70-80	9.51	N.A.	0.50
80-90	3.68	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	1978.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	113.96
10-20	333.41
20-30	492.25
30-40	524.58
40-50	349.45
50-60	119.13
60-70	32.34
70-80	9.51
80-90	3.68
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

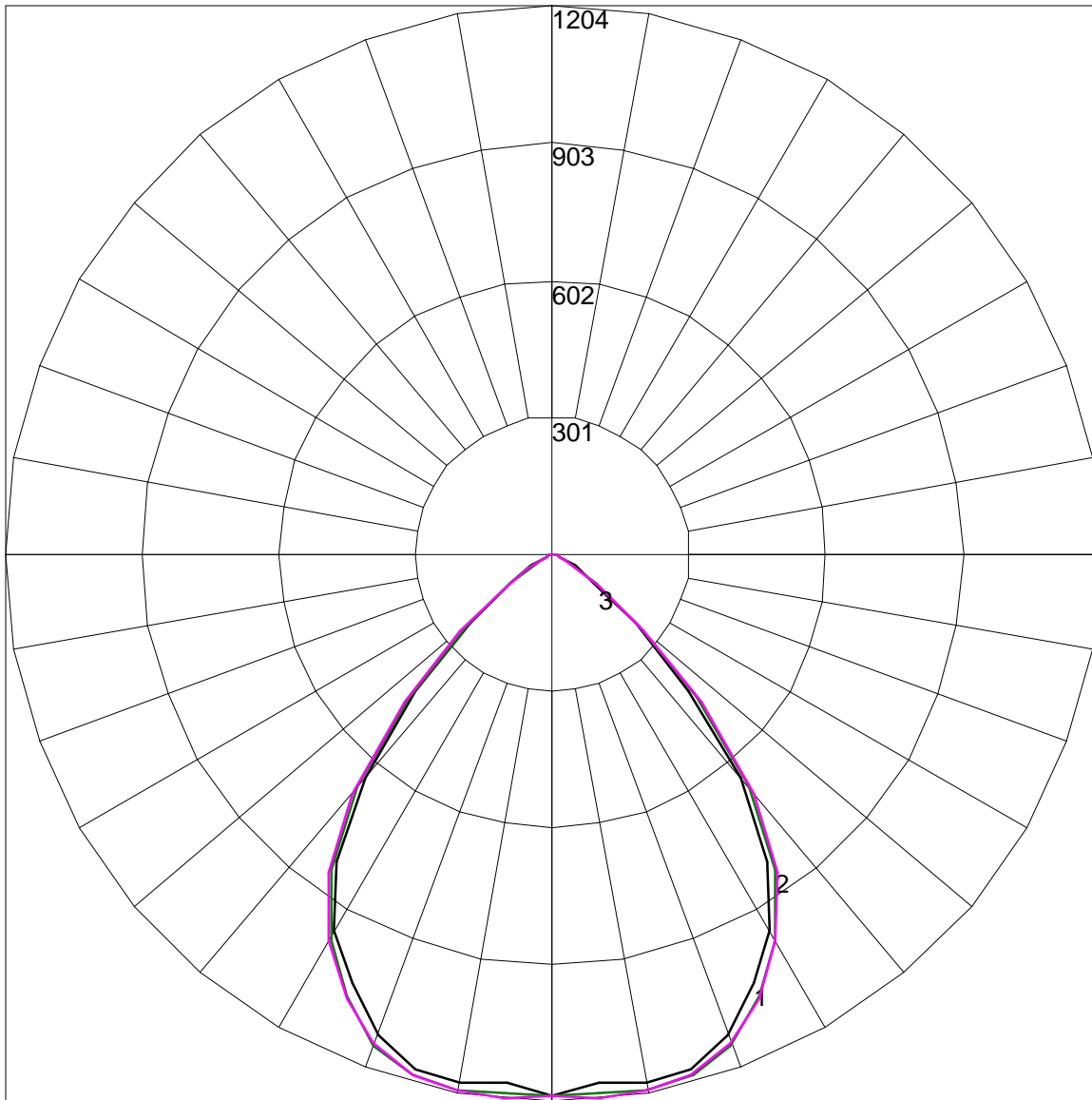
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1204.025 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)