

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00578 ~ C1203GV-37L35K-EX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00578

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 4/3/2017

[UPDATE] 3/2/2018

[LUMCAT] C1203GV-37L-35K-EX-TSG-SO

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

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

[OTHER] Regressed Solite lens

[OTHER] 82.1 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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2982
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.22
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.99 m (Diameter)
Luminous Width (90-270)	0.99 m (Diameter)
Luminous Height	0.00 m

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00578 ~ C1203GV-37L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1220	1290	1351
55	344	361	393
65	81	85	85
75	14	14	13
85	28	28	21

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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	1778.554	1778.554	1778.554	1778.554	1778.554
5	1773.620	1778.791	1783.741	1785.283	1786.193
10	1768.063	1782.992	1789.833	1797.589	1793.115
15	1746.199	1765.679	1777.041	1783.684	1776.852
20	1689.050	1712.075	1727.345	1732.953	1722.030
25	1594.342	1622.091	1632.299	1645.890	1634.595
30	1464.283	1496.885	1504.083	1518.245	1509.659
35	1284.461	1325.233	1321.999	1352.479	1340.283
40	1009.230	1052.798	1049.454	1088.607	1081.745
45	663.191	696.742	700.848	736.082	734.210
50	352.597	361.004	372.757	392.746	401.424
55	151.623	149.090	158.929	160.879	173.230
60	63.535	60.915	64.870	64.654	67.867
65	26.431	28.637	27.684	30.336	27.549
70	7.703	7.287	8.104	6.689	8.201
75	2.707	2.647	2.824	2.241	2.670
80	1.880	2.123	2.575	1.911	2.200
85	1.843	2.159	1.902	1.959	1.383
90	2.060	1.051	1.313	0.973	2.150

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	669.17	N.A.	22.40
0-30	1416.46	N.A.	47.50
0-40	2231.41	N.A.	74.80
0-60	2944.98	N.A.	98.70
0-80	2980.46	N.A.	99.90
0-90	2982.47	N.A.	100.00
10-90	2812.2	N.A.	94.30
20-40	1562.24	N.A.	52.40
20-50	2108.48	N.A.	70.70
40-70	745.14	N.A.	25.00
60-80	35.49	N.A.	1.20
70-80	3.92	N.A.	0.10
80-90	2.00	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	2982.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.26
10-20	498.91
20-30	747.29
30-40	814.94
40-50	546.24
50-60	167.33
60-70	31.57
70-80	3.92
80-90	2.00
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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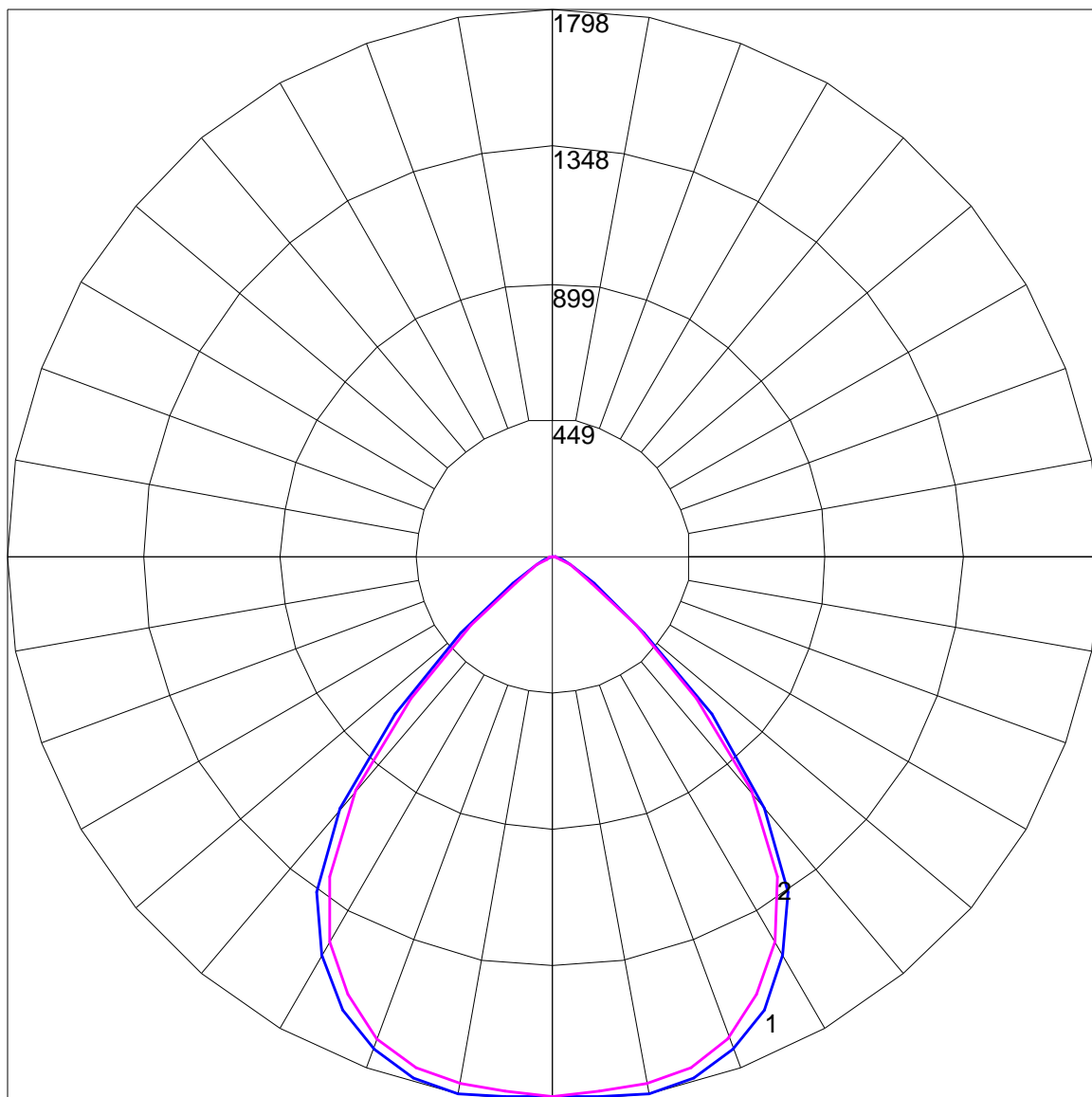
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82
3	99	91	85	80	97	90	84	80	87	82	78	84	81	77	82	79	76	74
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50
8	71	60	53	48	70	59	53	48	58	52	48	57	52	47	56	51	47	46
9	67	56	49	44	66	55	48	44	54	48	44	53	48	44	52	47	43	42
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39

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POLAR GRAPH



Maximum Candela = 1797.589 Located At Horizontal Angle = 67.5, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)