

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00578 ~ C1203GV-15L35K-EX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00578_M-15L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/3/2017

[UPDATE] 3/7/2018

[LUMCAT] C1203GV-15L-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, scaled from 37L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1165
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	10
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-15L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	477	504	528
55	134	141	153
65	32	33	33
75	5	6	5
85	11	11	8

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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	694.525	694.525	694.525	694.525	694.525
5	692.599	694.618	696.551	697.153	697.508
10	690.429	696.258	698.930	701.959	700.211
15	681.891	689.498	693.935	696.529	693.861
20	659.574	668.565	674.528	676.718	672.453
25	622.591	633.427	637.413	642.720	638.309
30	571.803	584.534	587.344	592.875	589.522
35	501.582	517.503	516.241	528.143	523.381
40	394.104	411.118	409.812	425.101	422.421
45	258.976	272.078	273.681	287.440	286.709
50	137.689	140.972	145.562	153.367	156.756
55	59.209	58.220	62.062	62.823	67.646
60	24.810	23.787	25.332	25.247	26.502
65	10.321	11.183	10.811	11.846	10.758
70	3.008	2.846	3.165	2.612	3.202
75	1.057	1.034	1.103	0.875	1.043
80	0.734	0.829	1.006	0.746	0.859
85	0.720	0.843	0.743	0.765	0.540
90	0.804	0.410	0.513	0.380	0.840

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	261.31	N.A.	22.40
0-30	553.13	N.A.	47.50
0-40	871.37	N.A.	74.80
0-60	1150.01	N.A.	98.70
0-80	1163.87	N.A.	99.90
0-90	1164.65	N.A.	100.00
10-90	1098.17	N.A.	94.30
20-40	610.05	N.A.	52.40
20-50	823.36	N.A.	70.70
40-70	290.98	N.A.	25.00
60-80	13.86	N.A.	1.20
70-80	1.53	N.A.	0.10
80-90	0.78	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	1164.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.49
10-20	194.82
20-30	291.82
30-40	318.24
40-50	213.31
50-60	65.34
60-70	12.33
70-80	1.53
80-90	0.78
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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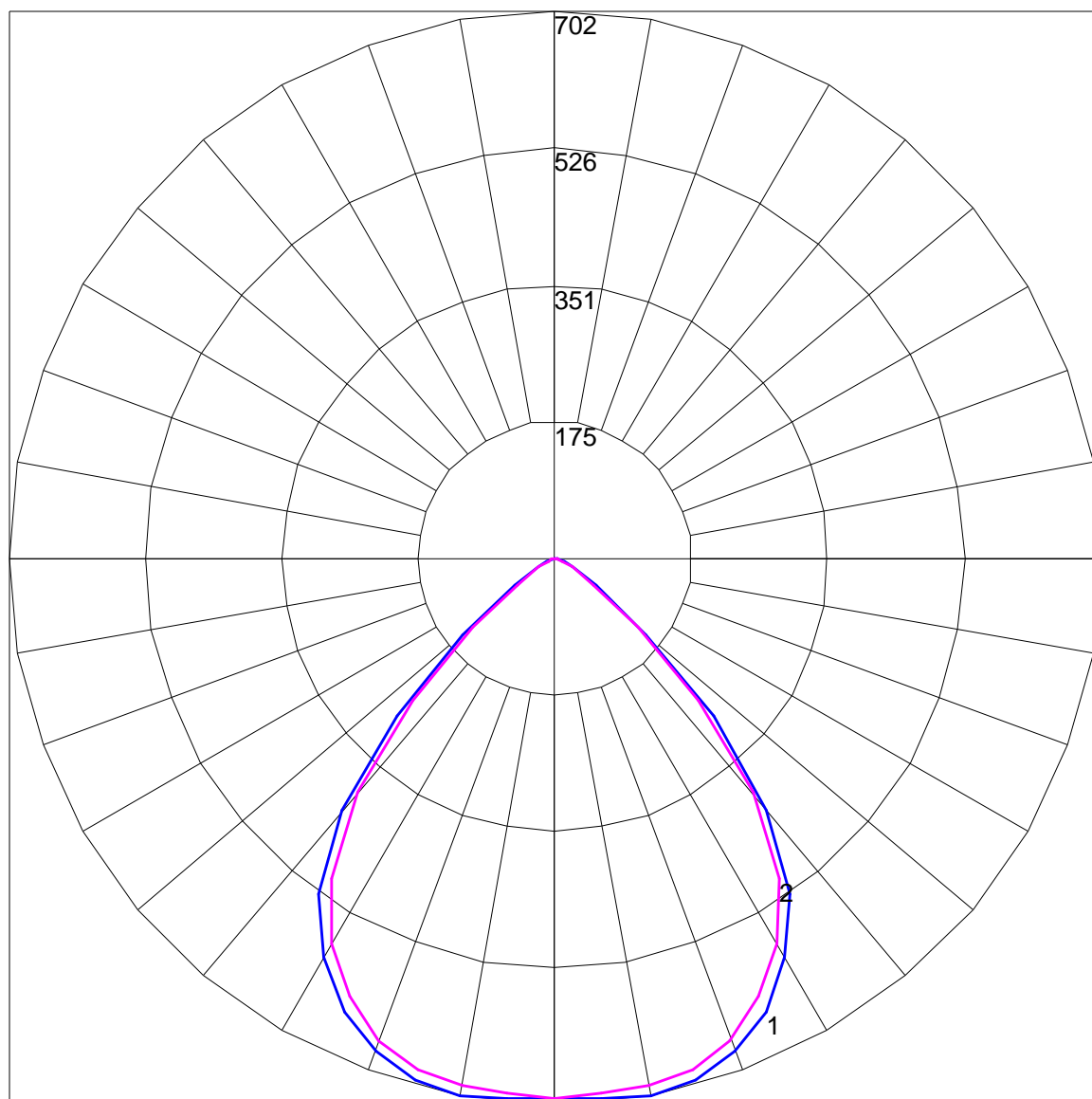
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97	96	96	94	93	91
2	105	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	80	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	51	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	40	62	51	45	40	50	44	40	50	44	40	49	44	40	39

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POLAR GRAPH



Maximum Candela = 701.959 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)