

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00578 ~ C1203GV-27L35K-EX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00578\_M-27L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/3/2017

[UPDATE] 3/7/2018

[LUMCAT] C1203GV-27L-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	2033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	18
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-27L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	832	879	921
55	234	246	268
65	55	58	58
75	9	10	9
85	19	19	14

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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>
<b>0</b>	1212.440	1212.440	1212.440	1212.440	1212.440
<b>5</b>	1209.077	1212.602	1215.976	1217.027	1217.648
<b>10</b>	1205.289	1215.466	1220.129	1225.416	1222.366
<b>15</b>	1190.384	1203.663	1211.409	1215.937	1211.280
<b>20</b>	1151.425	1167.122	1177.531	1181.354	1173.908
<b>25</b>	1086.863	1105.779	1112.738	1122.003	1114.303
<b>30</b>	998.202	1020.426	1025.333	1034.988	1029.135
<b>35</b>	875.617	903.411	901.207	921.985	913.671
<b>40</b>	687.992	717.692	715.413	742.103	737.426
<b>45</b>	452.097	474.969	477.768	501.787	500.511
<b>50</b>	240.365	246.096	254.108	267.735	273.651
<b>55</b>	103.361	101.635	108.342	109.671	118.091
<b>60</b>	43.312	41.526	44.222	44.075	46.265
<b>65</b>	18.018	19.522	18.872	20.680	18.780
<b>70</b>	5.251	4.968	5.524	4.560	5.591
<b>75</b>	1.845	1.804	1.925	1.528	1.820
<b>80</b>	1.282	1.447	1.755	1.303	1.500
<b>85</b>	1.256	1.472	1.297	1.335	0.943
<b>90</b>	1.404	0.716	0.895	0.663	1.466

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	456.17	N.A.	22.40
0-30	965.60	N.A.	47.50
0-40	1521.15	N.A.	74.80
0-60	2007.59	N.A.	98.70
0-80	2031.78	N.A.	99.90
0-90	2033.15	N.A.	100.00
10-90	1917.08	N.A.	94.30
20-40	1064.98	N.A.	52.40
20-50	1437.35	N.A.	70.70
40-70	507.96	N.A.	25.00
60-80	24.19	N.A.	1.20
70-80	2.67	N.A.	0.10
80-90	1.36	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	2033.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	116.07
10-20	340.10
20-30	509.43
30-40	555.55
40-50	372.37
50-60	114.07
60-70	21.52
70-80	2.67
80-90	1.36
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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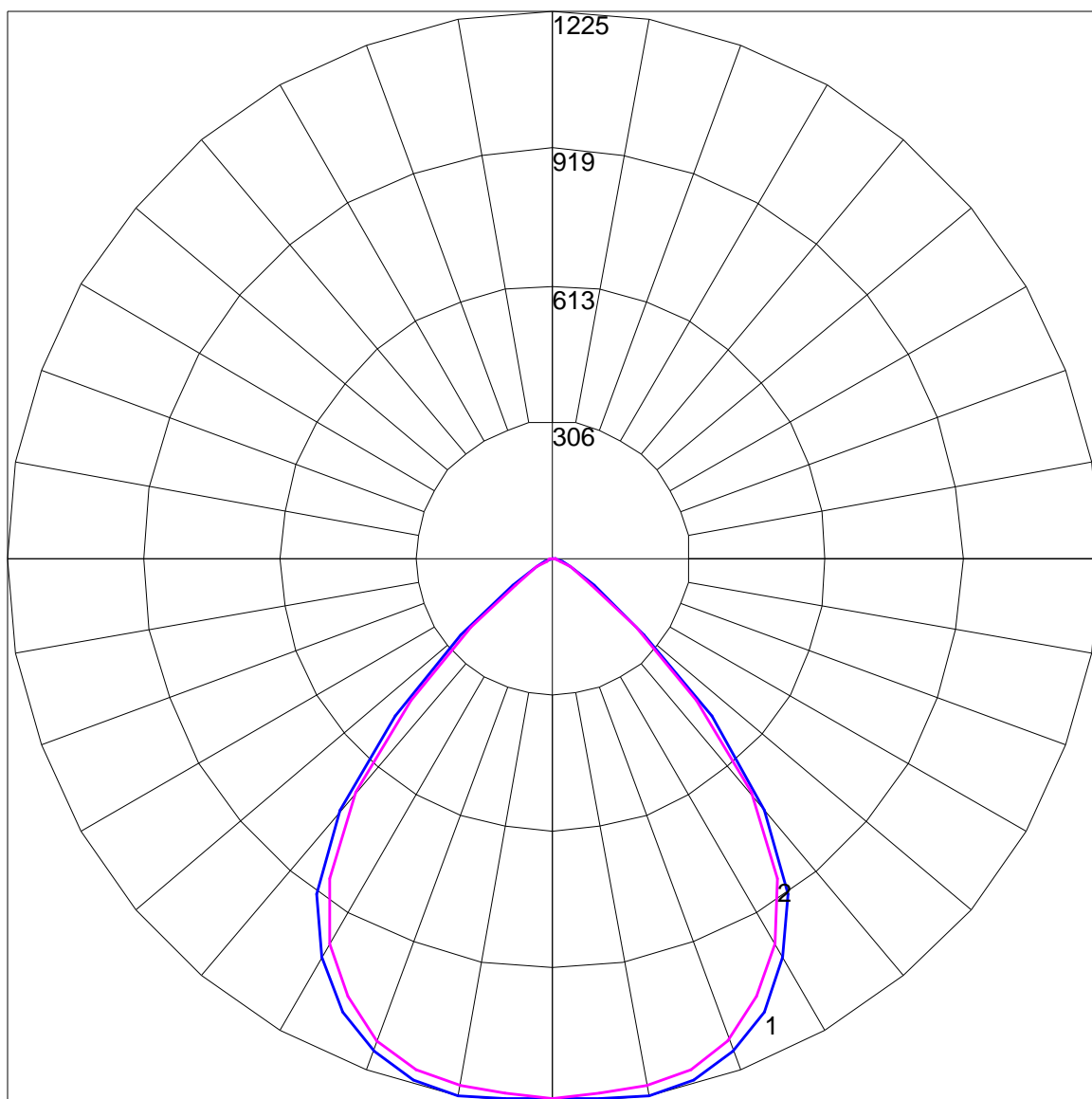
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1225.416 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)