

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00575_1 ~ C12XXGV-15L35K-EX-TSG-SO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00575_1_M-15L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/21/2017

[UPDATE] 3/7/2018

[LUMCAT] C1216UDGV-15L-35K-EX-TSG-SO

[LUMINAIRE] Nom. 12" Diam. x 16"H LED Downlight Cylinder

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

[OTHER] Lens: Regressed Solite

[OTHER] 70 Degree Beam Angle

[LAMP] N/A

[LAMPCAT] N/A, Gen 3

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 50K x 1.06, 40K x 1.03, 30K x 0.985, 27K x 0.971

[OTHER] Data applicable to C1216GV and C1220GV Pendant, Surface and Wall Mount variants

[OTHER] Data applicable to CYK1220GV Yoke mounted variant

[OTHER] This report prepared by Spectrum Lighting, scaled from 55L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1041
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.32
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.14
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.83 ft (Diameter)
Luminous Width (90-270)	0.83 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00575_1 ~ C12XXGV-15L35K-EX-TSG-SO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4522	4162	3631
55	1830	1769	1436
65	649	674	520
75	256	266	177
85	191	189	143

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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	658.355	658.355	658.355	658.355	658.355
5	654.710	655.693	656.691	656.444	656.290
10	647.826	651.248	652.978	652.539	652.252
15	639.670	645.122	651.954	651.050	651.587
20	639.508	648.080	657.631	657.695	659.282
25	648.123	656.444	666.344	666.036	665.665
30	635.188	646.248	636.388	637.820	618.589
35	523.025	517.983	488.603	482.906	450.045
40	318.721	306.053	280.508	270.764	248.401
45	160.895	155.322	148.079	140.354	129.172
50	93.459	95.483	91.360	87.207	77.633
55	52.816	54.138	51.042	47.634	41.435
60	25.741	27.580	25.690	23.883	20.752
65	13.801	15.351	14.332	13.099	11.061
70	7.018	7.941	7.540	6.408	5.506
75	3.332	3.938	3.462	2.940	2.310
80	1.659	1.587	1.445	1.314	1.320
85	0.836	0.600	0.830	0.625	0.625
90	0.561	0.205	0.377	0.224	0.503

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Zone	Lumens	%Lamp	%Fixt
0-20	246.89	N.A.	23.70
0-30	549.07	N.A.	52.70
0-40	845.60	N.A.	81.20
0-60	1021.35	N.A.	98.10
0-80	1040.05	N.A.	99.90
0-90	1040.92	N.A.	100.00
10-90	978.42	N.A.	94.00
20-40	598.71	N.A.	57.50
20-50	726.68	N.A.	69.80
40-70	190.48	N.A.	18.30
60-80	18.70	N.A.	1.80
70-80	3.97	N.A.	0.40
80-90	0.87	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	1040.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	62.50
10-20	184.40
20-30	302.18
30-40	296.53
40-50	127.97
50-60	47.77
60-70	14.73
70-80	3.97
80-90	0.87
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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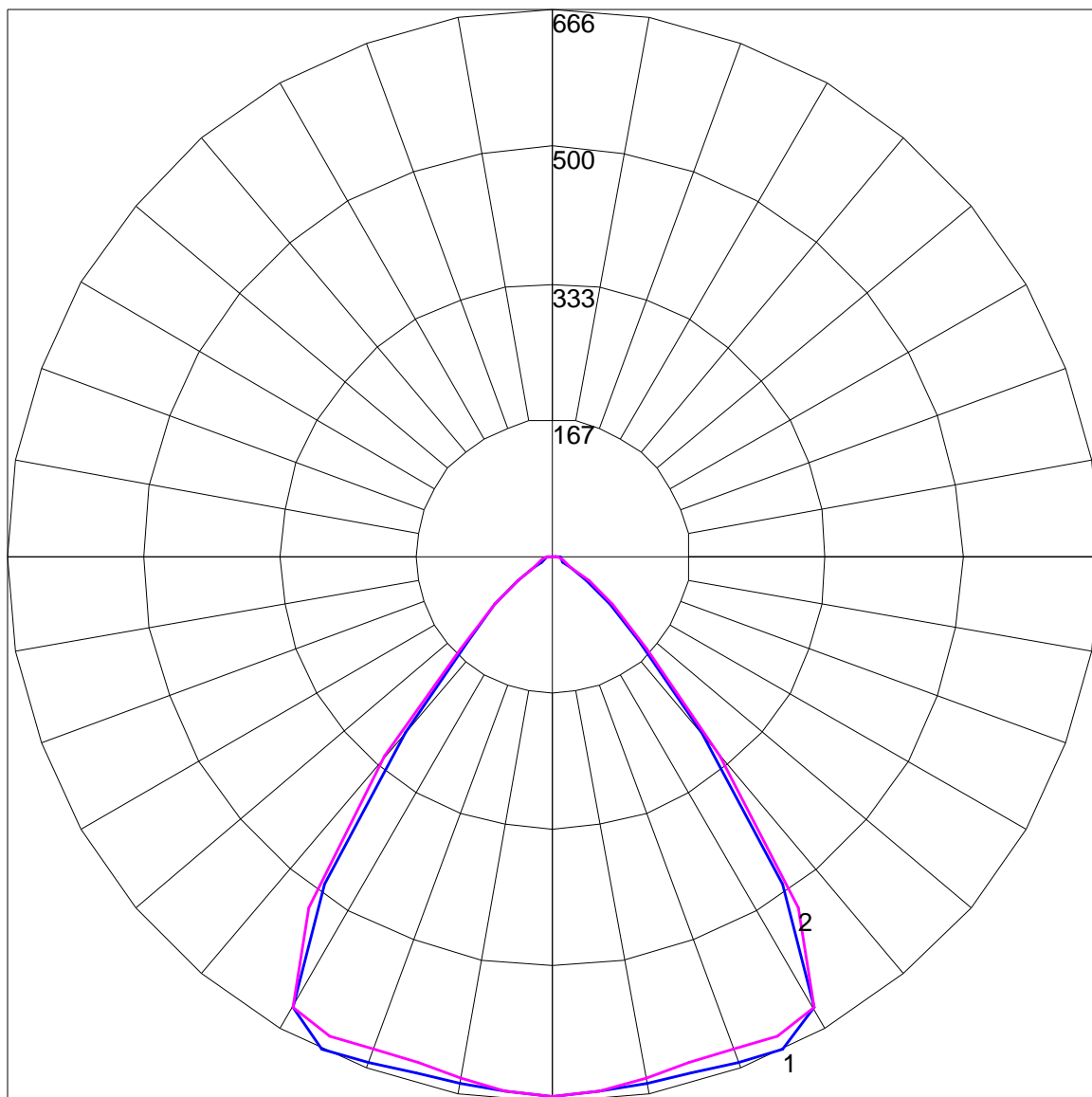
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83
3	99	92	86	82	97	91	85	81	88	83	80	85	81	78	83	80	77	75
4	93	84	78	73	91	83	77	73	81	76	72	79	75	71	77	73	70	68
5	88	78	71	66	86	77	70	66	75	69	65	73	68	65	72	67	64	62
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	58	57
7	77	67	60	55	76	66	59	55	64	59	54	63	58	54	62	57	54	52
8	73	62	55	50	71	61	55	50	60	54	50	59	54	50	58	53	49	48
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	51	46	42	41

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POLAR GRAPH



Maximum Candela = 666.344 Located At Horizontal Angle = 45, Vertical Angle = 25
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)