

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00576 ~ C1216UDGV-37L35K-EX-TSG-SO_UP.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00576

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/21/2017

[UPDATE] 3/7/2018

[LUMCAT] C1216UDGV-37L-35K-EX-TSG-SO (Uplight Only)

[LUMINAIRE] Nom. 12" Diam. x 16"H Direct/Indirect Cylinder

[OTHER] This file is for Uplight Only;

[OTHER] To be used w/ companion downlight only file: SP-00575 series

[OTHER] This allows separate Up/Down Illumination Calcs to be run

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

[OTHER] Lens: Flush Solite

[OTHER] Uplight: 91.1 Degree Beam Angle

[LAMP] N/A

[LAMPCAT] N/A, Gen 3

[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	2818
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	26
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.58 ft (Diameter)
Luminous Width (90-270)	0.58 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
90	1.242	0.971	1.656	1.090	2.102
95	5.549	7.615	7.759	7.491	7.612
100	15.678	17.833	19.219	21.415	19.084
105	37.432	42.324	40.698	45.472	41.415
110	77.239	81.561	81.837	82.992	82.204
115	138.952	144.952	144.926	147.675	147.471
120	232.703	239.567	235.688	242.410	242.491
125	363.940	371.872	363.672	373.492	371.658
130	531.843	539.801	526.409	538.758	536.202
135	721.825	725.129	710.001	721.254	721.362
140	907.461	904.713	890.325	898.901	896.594
145	1055.112	1051.413	1041.688	1044.211	1042.966
150	1155.555	1155.035	1149.082	1148.886	1147.828
155	1224.876	1228.323	1222.242	1223.477	1218.519
160	1281.421	1285.746	1280.303	1282.232	1279.862
165	1328.353	1333.483	1327.065	1329.224	1326.966
170	1368.245	1368.166	1365.634	1365.319	1366.466
175	1393.148	1388.597	1388.068	1388.293	1390.499
180	1397.000	1397.000	1397.000	1397.000	1397.000

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Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	58.13	N.A.	2.10
90-120	208.89	N.A.	7.40
90-130	545.98	N.A.	19.40
90-150	1747.33	N.A.	62.00
90-180	2817.8	N.A.	100.00
110-180	2759.68	N.A.	97.90
0-180	2817.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	9.54
100-110	48.59
110-120	150.76
120-130	337.09
130-140	553.11
140-150	648.24
150-160	563.42
160-170	375.16
170-180	131.89

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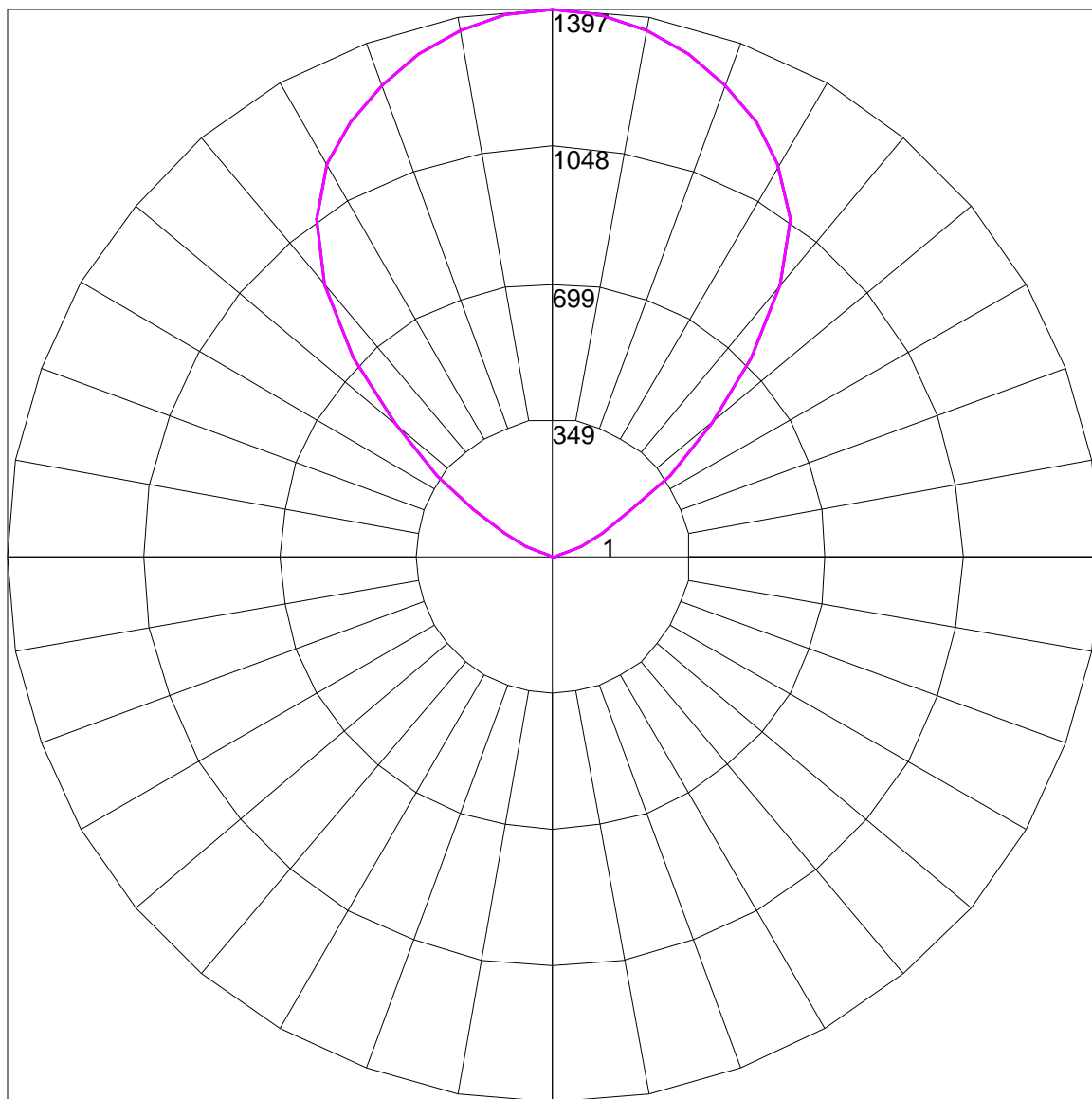
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	27	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

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POLAR GRAPH



Maximum Candela = 1397 Located At Horizontal Angle = 0, Vertical Angle = 180
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)