

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00576 ~ C1216UDGV-27L35K-EX-TSG-SO\_UP.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00576\_M-27L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/21/2017

[UPDATE] 3/7/2018

[LUMCAT] C1216UDGV-27L-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, scaled from 37L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	18
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00576 ~ C1216UDGV-27L35K-EX-TSG-SO\_UP.IES****LUMINANCE DATA (cd/sq.m)**

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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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>90</b>	0.847	0.662	1.129	0.743	1.433
<b>95</b>	3.783	5.191	5.289	5.107	5.189
<b>100</b>	10.688	12.157	13.102	14.599	13.010
<b>105</b>	25.517	28.852	27.744	30.998	28.233
<b>110</b>	52.654	55.600	55.788	56.576	56.038
<b>115</b>	94.724	98.814	98.796	100.670	100.531
<b>120</b>	158.634	163.313	160.669	165.251	165.306
<b>125</b>	248.098	253.505	247.915	254.609	253.359
<b>130</b>	362.557	367.982	358.853	367.271	365.529
<b>135</b>	492.068	494.320	484.008	491.679	491.752
<b>140</b>	618.616	616.743	606.935	612.781	611.208
<b>145</b>	719.270	716.748	710.119	711.839	710.990
<b>150</b>	787.742	787.387	783.329	783.196	782.474
<b>155</b>	834.998	837.348	833.202	834.044	830.664
<b>160</b>	873.545	876.493	872.783	874.098	872.482
<b>165</b>	905.538	909.035	904.660	906.132	904.593
<b>170</b>	932.733	932.679	930.953	930.738	931.520
<b>175</b>	949.709	946.607	946.246	946.399	947.903
<b>180</b>	952.335	952.335	952.335	952.335	952.335

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00576 ~ C1216UDGV-27L35K-EX-TSG-SO\_UP.IES****ZONAL LUMEN SUMMARY**

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	39.62	N.A.	2.10
90-120	142.40	N.A.	7.40
90-130	372.19	N.A.	19.40
90-150	1191.16	N.A.	62.00
90-180	1920.9	N.A.	100.00
110-180	1881.27	N.A.	97.90
0-180	1920.9	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	6.50
100-110	33.12
110-120	102.77
120-130	229.80
130-140	377.06
140-150	441.91
150-160	384.09
160-170	255.74
170-180	89.91

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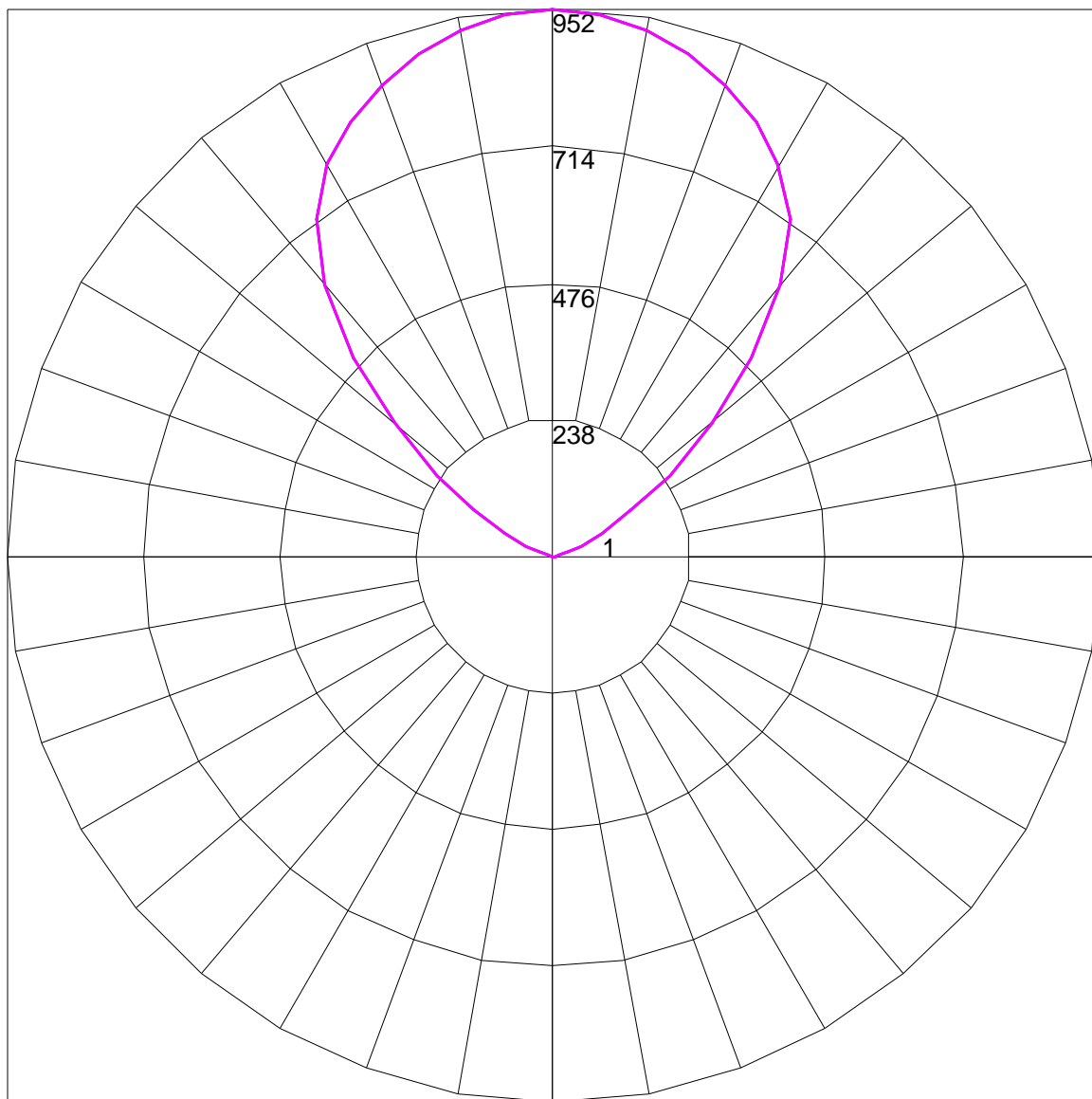
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	28	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 = 952.335 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)