

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00576 ~ C1216UDGV-15L35K-EX-TSG-SO\_UP.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00576\_M-15L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 4/21/2017

[UPDATE] 3/7/2018

[LUMCAT] C1216UDGV-15L-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	1100
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	10
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-15L35K-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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00576 ~ C1216UDGV-15L35K-EX-TSG-SO\_UP.IES****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>	0.485	0.379	0.647	0.426	0.821
<b>95</b>	2.167	2.974	3.030	2.925	2.972
<b>100</b>	6.122	6.964	7.505	8.363	7.452
<b>105</b>	14.617	16.528	15.893	17.757	16.173
<b>110</b>	30.162	31.850	31.957	32.408	32.101
<b>115</b>	54.261	56.604	56.594	57.667	57.587
<b>120</b>	90.871	93.551	92.036	94.661	94.693
<b>125</b>	142.119	145.216	142.014	145.849	145.132
<b>130</b>	207.685	210.792	205.563	210.385	209.387
<b>135</b>	281.873	283.163	277.255	281.650	281.692
<b>140</b>	354.364	353.290	347.672	351.021	350.120
<b>145</b>	412.021	410.577	406.779	407.764	407.278
<b>150</b>	451.244	451.041	448.717	448.640	448.227
<b>155</b>	478.314	479.660	477.286	477.768	475.832
<b>160</b>	500.395	502.084	499.958	500.712	499.786
<b>165</b>	518.722	520.725	518.219	519.062	518.180
<b>170</b>	534.300	534.269	533.280	533.157	533.605
<b>175</b>	544.024	542.247	542.041	542.128	542.990
<b>180</b>	545.529	545.529	545.529	545.529	545.529

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**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	22.70	N.A.	2.10
90-120	81.57	N.A.	7.40
90-130	213.21	N.A.	19.40
90-150	682.33	N.A.	62.00
90-180	1100.35	N.A.	100.00
110-180	1077.65	N.A.	97.90
0-180	1100.35	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	3.72
100-110	18.97
110-120	58.87
120-130	131.64
130-140	215.99
140-150	253.14
150-160	220.02
160-170	146.50
170-180	51.50

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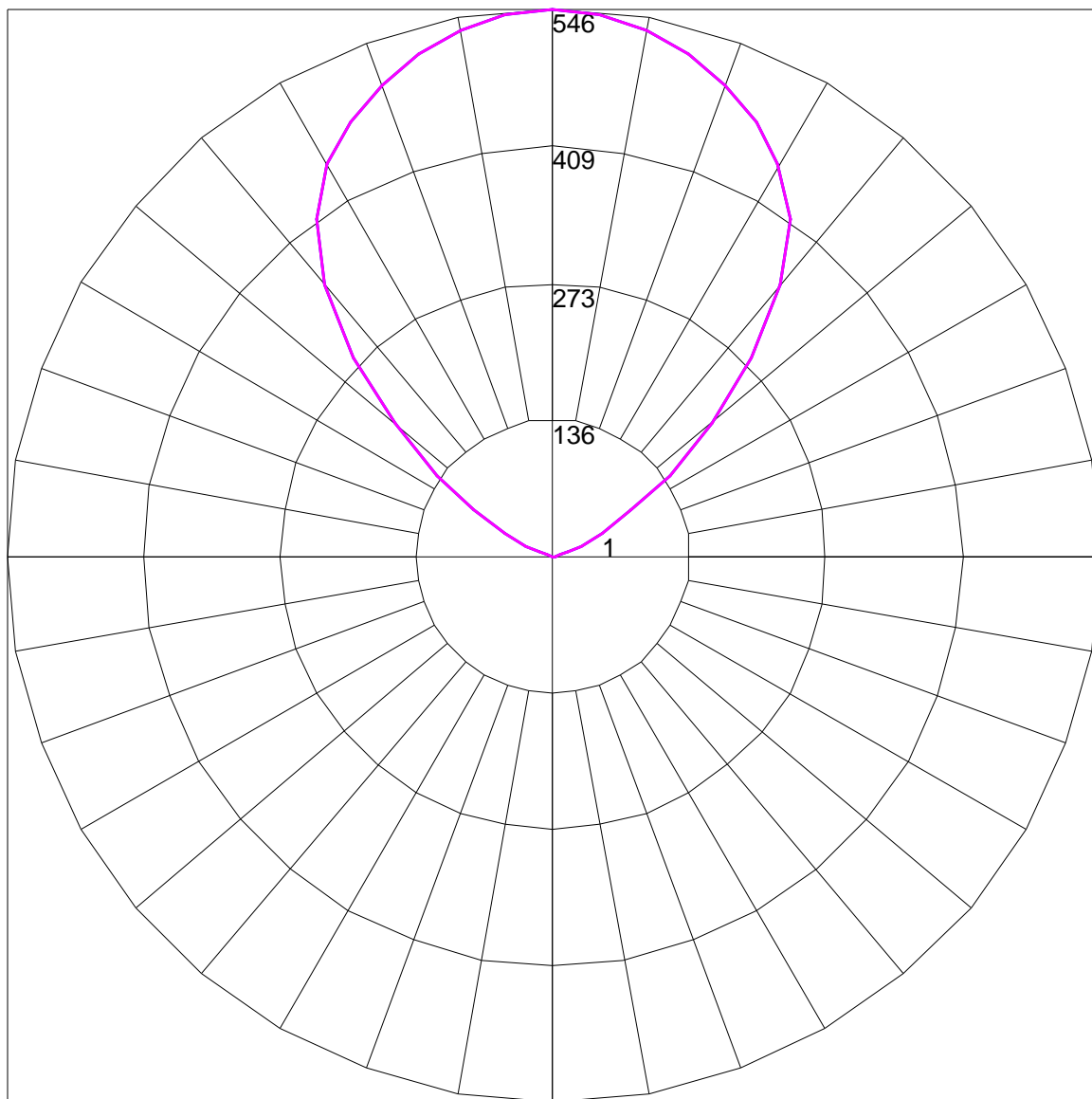
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 545.529 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)