

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00531\_6 ~ WD1611GV-15L35K-EX-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00531\_6\_M-15L

[TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 6/25/2018

[UPDATE] 11/14/2018

[LUMCAT] WD1611GV-15L-35K-EX-TF2-MWI

[LUMINAIRE] Nom. 16" Diam x 12" H, Warehouse Dome

[OTHER] Reflector: Matte White interior finish

[OTHER] Beam Angle: 102.2 degrees

[OTHER] Regressed 4" Inside Frosted Shallow Dome Diffuser

[LAMP] N/A, Gen3

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

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

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

[\_CRI]85+

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1091
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00531\_6 ~ WD1611GV-15L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3415	3415	3415
55	2428	2428	2428
65	1025	1025	1025
75	777	777	777
85	418	418	418

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
<b>0.0</b>	484.370	484.370	484.370	484.370	484.370	484.370	484.370	484.370	484.370	484.370
<b>2.5</b>	484.370	484.370	484.370	484.370	484.370	484.370	484.370	484.370	484.370	484.370
<b>5.0</b>	484.126	484.126	484.126	484.126	484.126	484.126	484.126	484.126	484.126	484.126
<b>7.5</b>	480.301	480.301	480.301	480.301	480.301	480.301	480.301	480.301	480.301	480.301
<b>10.0</b>	476.213	476.213	476.213	476.213	476.213	476.213	476.213	476.213	476.213	476.213
<b>12.5</b>	470.387	470.387	470.387	470.387	470.387	470.387	470.387	470.387	470.387	470.387
<b>15.0</b>	463.957	463.957	463.957	463.957	463.957	463.957	463.957	463.957	463.957	463.957
<b>17.5</b>	455.036	455.036	455.036	455.036	455.036	455.036	455.036	455.036	455.036	455.036
<b>20.0</b>	445.461	445.461	445.461	445.461	445.461	445.461	445.461	445.461	445.461	445.461
<b>22.5</b>	434.015	434.015	434.015	434.015	434.015	434.015	434.015	434.015	434.015	434.015
<b>25.0</b>	421.862	421.862	421.862	421.862	421.862	421.862	421.862	421.862	421.862	421.862
<b>27.5</b>	408.248	408.248	408.248	408.248	408.248	408.248	408.248	408.248	408.248	408.248
<b>30.0</b>	394.647	394.647	394.647	394.647	394.647	394.647	394.647	394.647	394.647	394.647
<b>32.5</b>	381.064	381.064	381.064	381.064	381.064	381.064	381.064	381.064	381.064	381.064
<b>35.0</b>	367.608	367.608	367.608	367.608	367.608	367.608	367.608	367.608	367.608	367.608
<b>37.5</b>	354.304	354.304	354.304	354.304	354.304	354.304	354.304	354.304	354.304	354.304
<b>40.0</b>	340.693	340.693	340.693	340.693	340.693	340.693	340.693	340.693	340.693	340.693
<b>42.5</b>	326.800	326.800	326.800	326.800	326.800	326.800	326.800	326.800	326.800	326.800
<b>45.0</b>	311.928	311.928	311.928	311.928	311.928	311.928	311.928	311.928	311.928	311.928
<b>47.5</b>	296.359	296.359	296.359	296.359	296.359	296.359	296.359	296.359	296.359	296.359
<b>50.0</b>	266.294	266.294	266.294	266.294	266.294	266.294	266.294	266.294	266.294	266.294
<b>52.5</b>	228.405	228.405	228.405	228.405	228.405	228.405	228.405	228.405	228.405	228.405
<b>55.0</b>	179.893	179.893	179.893	179.893	179.893	179.893	179.893	179.893	179.893	179.893
<b>57.5</b>	127.151	127.151	127.151	127.151	127.151	127.151	127.151	127.151	127.151	127.151
<b>60.0</b>	95.744	95.744	95.744	95.744	95.744	95.744	95.744	95.744	95.744	95.744
<b>62.5</b>	70.379	70.379	70.379	70.379	70.379	70.379	70.379	70.379	70.379	70.379
<b>65.0</b>	55.981	55.981	55.981	55.981	55.981	55.981	55.981	55.981	55.981	55.981
<b>67.5</b>	43.590	43.590	43.590	43.590	43.590	43.590	43.590	43.590	43.590	43.590
<b>70.0</b>	36.666	36.666	36.666	36.666	36.666	36.666	36.666	36.666	36.666	36.666
<b>72.5</b>	30.474	30.474	30.474	30.474	30.474	30.474	30.474	30.474	30.474	30.474
<b>75.0</b>	25.979	25.979	25.979	25.979	25.979	25.979	25.979	25.979	25.979	25.979
<b>77.5</b>	20.759	20.759	20.759	20.759	20.759	20.759	20.759	20.759	20.759	20.759
<b>80.0</b>	15.200	15.200	15.200	15.200	15.200	15.200	15.200	15.200	15.200	15.200
<b>82.5</b>	9.612	9.612	9.612	9.612	9.612	9.612	9.612	9.612	9.612	9.612
<b>85.0</b>	4.705	4.705	4.705	4.705	4.705	4.705	4.705	4.705	4.705	4.705
<b>87.5</b>	1.263	1.263	1.263	1.263	1.263	1.263	1.263	1.263	1.263	1.263
<b>90.0</b>	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378	0.378

**Vert. Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
<b>0.0</b>	484.370	484.370	484.370	484.370	484.370	484.370	484.370
<b>2.5</b>	484.370	484.370	484.370	484.370	484.370	484.370	484.370
<b>5.0</b>	484.126	484.126	484.126	484.126	484.126	484.126	484.126
<b>7.5</b>	480.301	480.301	480.301	480.301	480.301	480.301	480.301
<b>10.0</b>	476.213	476.213	476.213	476.213	476.213	476.213	476.213
<b>12.5</b>	470.387	470.387	470.387	470.387	470.387	470.387	470.387
<b>15.0</b>	463.957	463.957	463.957	463.957	463.957	463.957	463.957
<b>17.5</b>	455.036	455.036	455.036	455.036	455.036	455.036	455.036
<b>20.0</b>	445.461	445.461	445.461	445.461	445.461	445.461	445.461
<b>22.5</b>	434.015	434.015	434.015	434.015	434.015	434.015	434.015

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<b>25.0</b>	421.862	421.862	421.862	421.862	421.862	421.862	421.862
<b>27.5</b>	408.248	408.248	408.248	408.248	408.248	408.248	408.248
<b>30.0</b>	394.647	394.647	394.647	394.647	394.647	394.647	394.647
<b>32.5</b>	381.064	381.064	381.064	381.064	381.064	381.064	381.064
<b>35.0</b>	367.608	367.608	367.608	367.608	367.608	367.608	367.608
<b>37.5</b>	354.304	354.304	354.304	354.304	354.304	354.304	354.304
<b>40.0</b>	340.693	340.693	340.693	340.693	340.693	340.693	340.693
<b>42.5</b>	326.800	326.800	326.800	326.800	326.800	326.800	326.800
<b>45.0</b>	311.928	311.928	311.928	311.928	311.928	311.928	311.928
<b>47.5</b>	296.359	296.359	296.359	296.359	296.359	296.359	296.359
<b>50.0</b>	266.294	266.294	266.294	266.294	266.294	266.294	266.294
<b>52.5</b>	228.405	228.405	228.405	228.405	228.405	228.405	228.405
<b>55.0</b>	179.893	179.893	179.893	179.893	179.893	179.893	179.893
<b>57.5</b>	127.151	127.151	127.151	127.151	127.151	127.151	127.151
<b>60.0</b>	95.744	95.744	95.744	95.744	95.744	95.744	95.744
<b>62.5</b>	70.379	70.379	70.379	70.379	70.379	70.379	70.379
<b>65.0</b>	55.981	55.981	55.981	55.981	55.981	55.981	55.981
<b>67.5</b>	43.590	43.590	43.590	43.590	43.590	43.590	43.590
<b>70.0</b>	36.666	36.666	36.666	36.666	36.666	36.666	36.666
<b>72.5</b>	30.474	30.474	30.474	30.474	30.474	30.474	30.474
<b>75.0</b>	25.979	25.979	25.979	25.979	25.979	25.979	25.979
<b>77.5</b>	20.759	20.759	20.759	20.759	20.759	20.759	20.759
<b>80.0</b>	15.200	15.200	15.200	15.200	15.200	15.200	15.200
<b>82.5</b>	9.612	9.612	9.612	9.612	9.612	9.612	9.612
<b>85.0</b>	4.705	4.705	4.705	4.705	4.705	4.705	4.705
<b>87.5</b>	1.263	1.263	1.263	1.263	1.263	1.263	1.263
<b>90.0</b>	0.378	0.378	0.378	0.378	0.378	0.378	0.378

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00531\_6 ~ WD1611GV-15L35K-EX-TF2-MWI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	176.59	N.A.	16.20
0-30	370.78	N.A.	34.00
0-40	601.09	N.A.	55.10
0-60	999.29	N.A.	91.60
0-80	1084.73	N.A.	99.40
0-90	1091.09	N.A.	100.00
10-90	1045.17	N.A.	95.80
20-40	424.50	N.A.	38.90
20-50	663.58	N.A.	60.80
40-70	456.44	N.A.	41.80
60-80	85.44	N.A.	7.80
70-80	27.20	N.A.	2.50
80-90	6.35	N.A.	0.60
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	1091.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	45.91
10-20	130.68
20-30	194.20
30-40	230.31
40-50	239.08
50-60	159.13
60-70	58.24
70-80	27.20
80-90	6.35
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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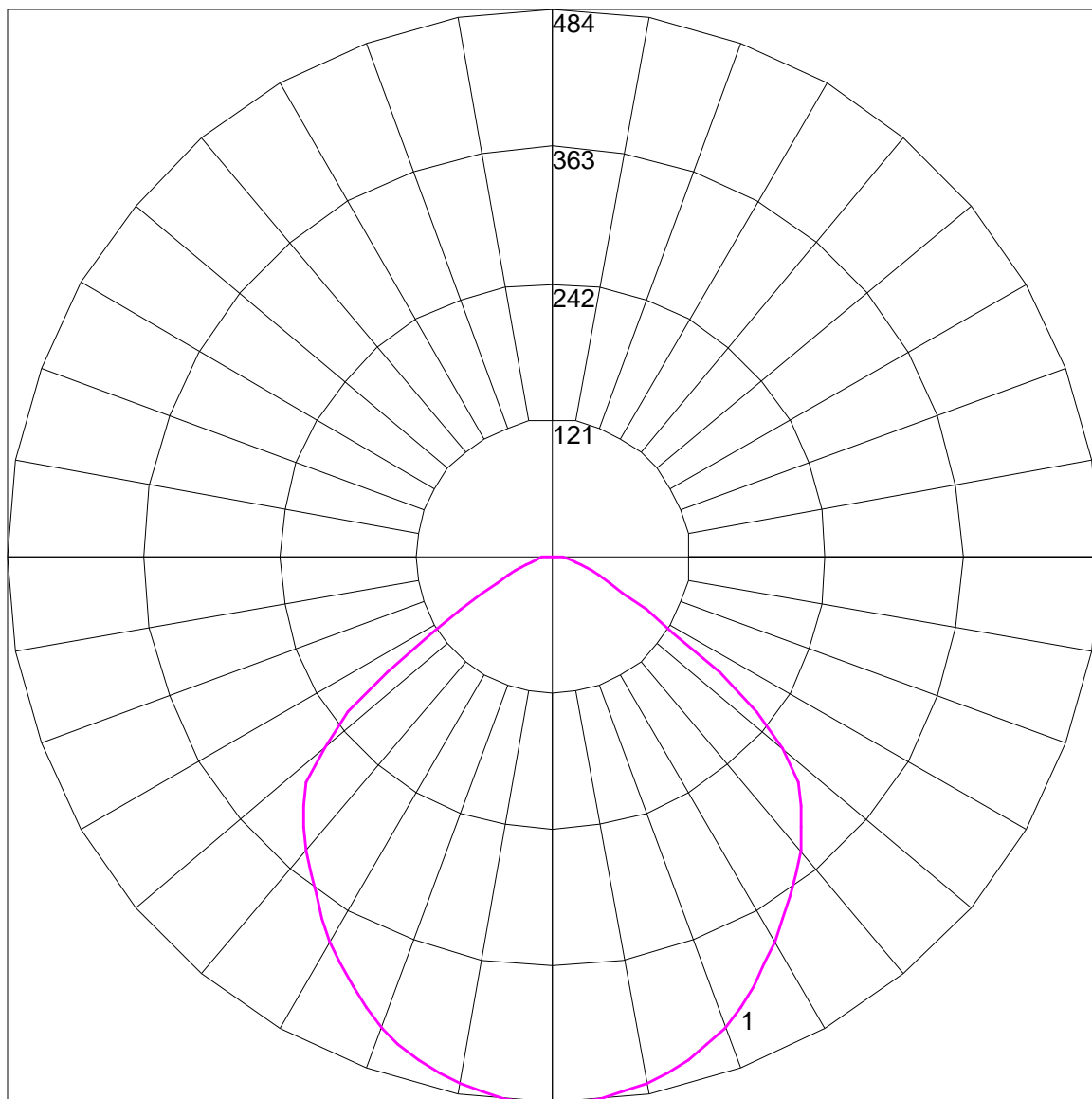
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	85	100	93	88	84	90	86	82	87	83	80	84	81	78	76
3	94	85	78	72	92	84	77	72	81	75	70	78	73	69	76	72	68	66
4	87	76	69	63	85	75	68	62	73	66	61	70	65	61	68	64	60	58
5	80	69	61	55	79	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	51	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	39	35	45	39	35	44	39	34	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	31	41	35	31	30

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POLAR GRAPH



Maximum Candela = 484.37 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)