

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-55L35K-EX-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00531_6
[TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 6/25/2018
[UPDATE] 11/14/2018
[LUMCAT] WD1611GV-55L-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
[_CRI]85+
[_CCTMULT] 27K x 0.971, 30K x 0.985, 40K x 1.03
[_LAMPMULT] 15L x 0.265, 27L x 0.463, 37L x 0.68

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4117
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	39
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-55L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12885	12885	12885
55	9161	9161	9161
65	3869	3869	3869
75	2932	2932	2932
85	1577	1577	1577

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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>
0.0	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811
2.5	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811
5.0	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889
7.5	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455
10.0	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032
12.5	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044
15.0	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780
17.5	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117
20.0	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985
22.5	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792
25.0	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932
27.5	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560
30.0	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234
32.5	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979
35.0	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201
37.5	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997
40.0	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635
42.5	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209
45.0	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088
47.5	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337
50.0	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882
52.5	861.906	861.906	861.906	861.906	861.906	861.906	861.906	861.906	861.906	861.906
55.0	678.840	678.840	678.840	678.840	678.840	678.840	678.840	678.840	678.840	678.840
57.5	479.817	479.817	479.817	479.817	479.817	479.817	479.817	479.817	479.817	479.817
60.0	361.300	361.300	361.300	361.300	361.300	361.300	361.300	361.300	361.300	361.300
62.5	265.580	265.580	265.580	265.580	265.580	265.580	265.580	265.580	265.580	265.580
65.0	211.249	211.249	211.249	211.249	211.249	211.249	211.249	211.249	211.249	211.249
67.5	164.491	164.491	164.491	164.491	164.491	164.491	164.491	164.491	164.491	164.491
70.0	138.363	138.363	138.363	138.363	138.363	138.363	138.363	138.363	138.363	138.363
72.5	114.995	114.995	114.995	114.995	114.995	114.995	114.995	114.995	114.995	114.995
75.0	98.035	98.035	98.035	98.035	98.035	98.035	98.035	98.035	98.035	98.035
77.5	78.334	78.334	78.334	78.334	78.334	78.334	78.334	78.334	78.334	78.334
80.0	57.360	57.360	57.360	57.360	57.360	57.360	57.360	57.360	57.360	57.360
82.5	36.272	36.272	36.272	36.272	36.272	36.272	36.272	36.272	36.272	36.272
85.0	17.754	17.754	17.754	17.754	17.754	17.754	17.754	17.754	17.754	17.754
87.5	4.765	4.765	4.765	4.765	4.765	4.765	4.765	4.765	4.765	4.765
90.0	1.426	1.426	1.426	1.426	1.426	1.426	1.426	1.426	1.426	1.426

Vert. Angles **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>
0.0	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811
2.5	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811	1827.811
5.0	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889	1826.889
7.5	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455	1812.455
10.0	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032	1797.032
12.5	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044	1775.044
15.0	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780	1750.780
17.5	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117	1717.117
20.0	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985	1680.985
22.5	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792	1637.792

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CANDELA TABULATION - (Cont.)

25.0	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932	1591.932
27.5	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560	1540.560
30.0	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234	1489.234
32.5	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979	1437.979
35.0	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201	1387.201
37.5	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997	1336.997
40.0	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635	1285.635
42.5	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209	1233.209
45.0	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088	1177.088
47.5	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337	1118.337
50.0	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882	1004.882
52.5	861.906	861.906	861.906	861.906	861.906	861.906	861.906
55.0	678.840	678.840	678.840	678.840	678.840	678.840	678.840
57.5	479.817	479.817	479.817	479.817	479.817	479.817	479.817
60.0	361.300	361.300	361.300	361.300	361.300	361.300	361.300
62.5	265.580	265.580	265.580	265.580	265.580	265.580	265.580
65.0	211.249	211.249	211.249	211.249	211.249	211.249	211.249
67.5	164.491	164.491	164.491	164.491	164.491	164.491	164.491
70.0	138.363	138.363	138.363	138.363	138.363	138.363	138.363
72.5	114.995	114.995	114.995	114.995	114.995	114.995	114.995
75.0	98.035	98.035	98.035	98.035	98.035	98.035	98.035
77.5	78.334	78.334	78.334	78.334	78.334	78.334	78.334
80.0	57.360	57.360	57.360	57.360	57.360	57.360	57.360
82.5	36.272	36.272	36.272	36.272	36.272	36.272	36.272
85.0	17.754	17.754	17.754	17.754	17.754	17.754	17.754
87.5	4.765	4.765	4.765	4.765	4.765	4.765	4.765
90.0	1.426	1.426	1.426	1.426	1.426	1.426	1.426

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Zone	Lumens	%Lamp	%Fixt
0-20	666.38	N.A.	16.20
0-30	1399.19	N.A.	34.00
0-40	2268.27	N.A.	55.10
0-60	3770.92	N.A.	91.60
0-80	4093.33	N.A.	99.40
0-90	4117.31	N.A.	100.00
10-90	3944.04	N.A.	95.80
20-40	1601.89	N.A.	38.90
20-50	2504.07	N.A.	60.80
40-70	1722.43	N.A.	41.80
60-80	322.42	N.A.	7.80
70-80	102.64	N.A.	2.50
80-90	23.97	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	4117.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	173.26
10-20	493.11
20-30	732.81
30-40	869.08
40-50	902.17
50-60	600.47
60-70	219.78
70-80	102.64
80-90	23.97
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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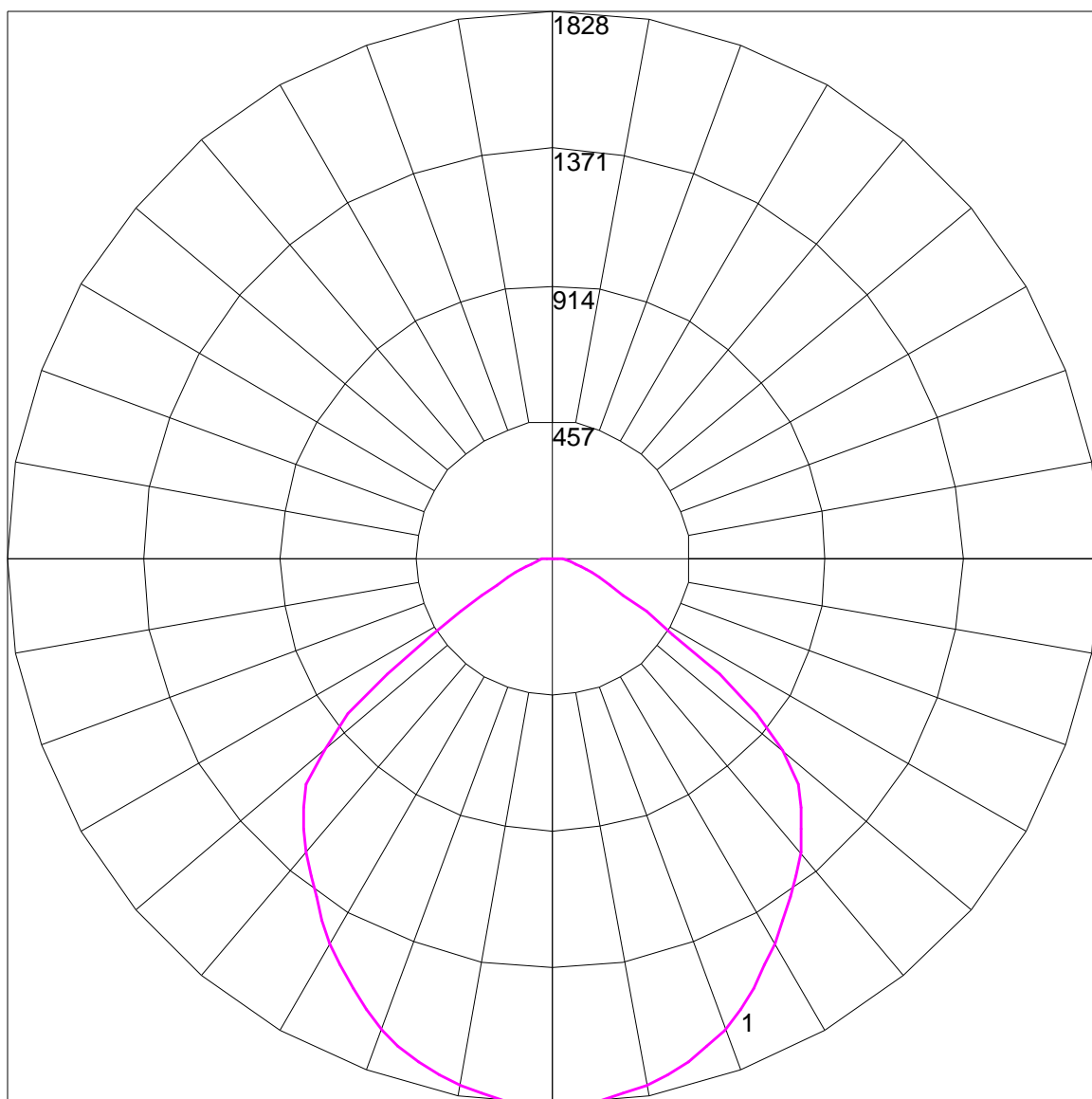
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1827.811 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)