

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-37L35K-EX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00531_6_M-37L
 [TESTLAB] Spectrum Lighting Photometric Lab, VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 6/25/2018
 [UPDATE] 11/14/2018
 [LUMCAT] WD1611GV-37L-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	2800
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	26
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-37L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8762	8762	8762
55	6230	6230	6230
65	2631	2631	2631
75	1994	1994	1994
85	1072	1072	1072

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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	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911
2.5	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911
5.0	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285
7.5	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469
10.0	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982
12.5	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030
15.0	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530
17.5	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640
20.0	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070
22.5	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699
25.0	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514
27.5	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581
30.0	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679
32.5	977.826	977.826	977.826	977.826	977.826	977.826	977.826	977.826	977.826	977.826
35.0	943.297	943.297	943.297	943.297	943.297	943.297	943.297	943.297	943.297	943.297
37.5	909.158	909.158	909.158	909.158	909.158	909.158	909.158	909.158	909.158	909.158
40.0	874.232	874.232	874.232	874.232	874.232	874.232	874.232	874.232	874.232	874.232
42.5	838.582	838.582	838.582	838.582	838.582	838.582	838.582	838.582	838.582	838.582
45.0	800.420	800.420	800.420	800.420	800.420	800.420	800.420	800.420	800.420	800.420
47.5	760.469	760.469	760.469	760.469	760.469	760.469	760.469	760.469	760.469	760.469
50.0	683.320	683.320	683.320	683.320	683.320	683.320	683.320	683.320	683.320	683.320
52.5	586.096	586.096	586.096	586.096	586.096	586.096	586.096	586.096	586.096	586.096
55.0	461.611	461.611	461.611	461.611	461.611	461.611	461.611	461.611	461.611	461.611
57.5	326.276	326.276	326.276	326.276	326.276	326.276	326.276	326.276	326.276	326.276
60.0	245.684	245.684	245.684	245.684	245.684	245.684	245.684	245.684	245.684	245.684
62.5	180.594	180.594	180.594	180.594	180.594	180.594	180.594	180.594	180.594	180.594
65.0	143.649	143.649	143.649	143.649	143.649	143.649	143.649	143.649	143.649	143.649
67.5	111.854	111.854	111.854	111.854	111.854	111.854	111.854	111.854	111.854	111.854
70.0	94.087	94.087	94.087	94.087	94.087	94.087	94.087	94.087	94.087	94.087
72.5	78.197	78.197	78.197	78.197	78.197	78.197	78.197	78.197	78.197	78.197
75.0	66.664	66.664	66.664	66.664	66.664	66.664	66.664	66.664	66.664	66.664
77.5	53.267	53.267	53.267	53.267	53.267	53.267	53.267	53.267	53.267	53.267
80.0	39.005	39.005	39.005	39.005	39.005	39.005	39.005	39.005	39.005	39.005
82.5	24.665	24.665	24.665	24.665	24.665	24.665	24.665	24.665	24.665	24.665
85.0	12.073	12.073	12.073	12.073	12.073	12.073	12.073	12.073	12.073	12.073
87.5	3.240	3.240	3.240	3.240	3.240	3.240	3.240	3.240	3.240	3.240
90.0	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.970	0.970

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	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911
2.5	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911	1242.911
5.0	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285	1242.285
7.5	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469	1232.469
10.0	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982	1221.982
12.5	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030	1207.030
15.0	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530	1190.530
17.5	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640	1167.640
20.0	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070	1143.070
22.5	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699	1113.699

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CANDELA TABULATION - (Cont.)

25.0	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514	1082.514
27.5	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581	1047.581
30.0	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679	1012.679
32.5	977.826	977.826	977.826	977.826	977.826	977.826	977.826
35.0	943.297	943.297	943.297	943.297	943.297	943.297	943.297
37.5	909.158	909.158	909.158	909.158	909.158	909.158	909.158
40.0	874.232	874.232	874.232	874.232	874.232	874.232	874.232
42.5	838.582	838.582	838.582	838.582	838.582	838.582	838.582
45.0	800.420	800.420	800.420	800.420	800.420	800.420	800.420
47.5	760.469	760.469	760.469	760.469	760.469	760.469	760.469
50.0	683.320	683.320	683.320	683.320	683.320	683.320	683.320
52.5	586.096	586.096	586.096	586.096	586.096	586.096	586.096
55.0	461.611	461.611	461.611	461.611	461.611	461.611	461.611
57.5	326.276	326.276	326.276	326.276	326.276	326.276	326.276
60.0	245.684	245.684	245.684	245.684	245.684	245.684	245.684
62.5	180.594	180.594	180.594	180.594	180.594	180.594	180.594
65.0	143.649	143.649	143.649	143.649	143.649	143.649	143.649
67.5	111.854	111.854	111.854	111.854	111.854	111.854	111.854
70.0	94.087	94.087	94.087	94.087	94.087	94.087	94.087
72.5	78.197	78.197	78.197	78.197	78.197	78.197	78.197
75.0	66.664	66.664	66.664	66.664	66.664	66.664	66.664
77.5	53.267	53.267	53.267	53.267	53.267	53.267	53.267
80.0	39.005	39.005	39.005	39.005	39.005	39.005	39.005
82.5	24.665	24.665	24.665	24.665	24.665	24.665	24.665
85.0	12.073	12.073	12.073	12.073	12.073	12.073	12.073
87.5	3.240	3.240	3.240	3.240	3.240	3.240	3.240
90.0	0.970	0.970	0.970	0.970	0.970	0.970	0.970

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Zone	Lumens	%Lamp	%Fixt
0-20	453.14	N.A.	16.20
0-30	951.45	N.A.	34.00
0-40	1542.42	N.A.	55.10
0-60	2564.22	N.A.	91.60
0-80	2783.47	N.A.	99.40
0-90	2799.77	N.A.	100.00
10-90	2681.95	N.A.	95.80
20-40	1089.29	N.A.	38.90
20-50	1702.77	N.A.	60.80
40-70	1171.25	N.A.	41.80
60-80	219.24	N.A.	7.80
70-80	69.80	N.A.	2.50
80-90	16.30	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	2799.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	117.82
10-20	335.32
20-30	498.31
30-40	590.97
40-50	613.48
50-60	408.32
60-70	149.45
70-80	69.80
80-90	16.30
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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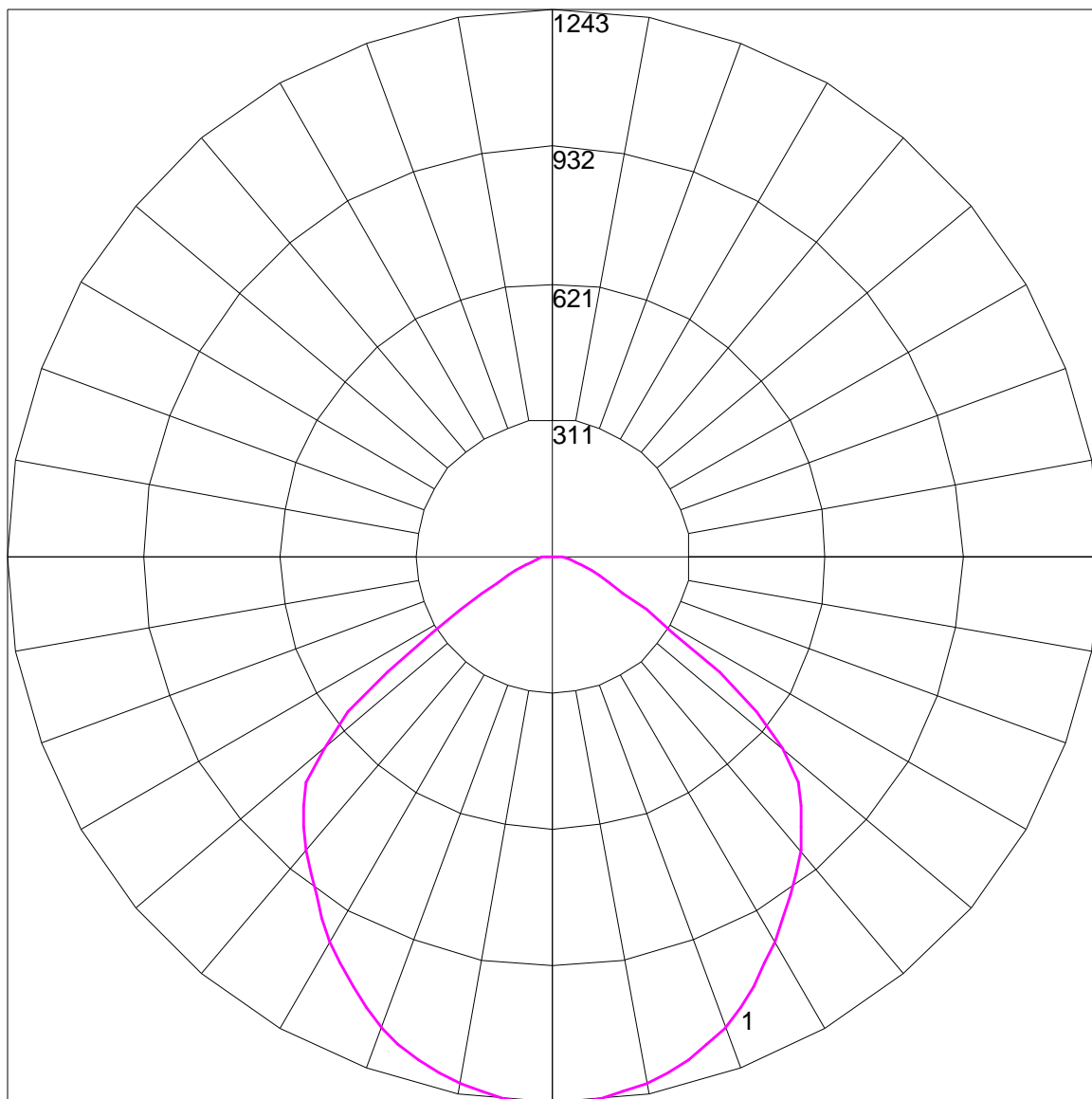
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	94	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	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	61	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	38	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 = 1242.911 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)