

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-27L35K-EX-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00531_6_M-27L

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

[MANUFAC] Spectrum Lighting

[ISSUEDATE] 6/25/2018

[UPDATE] 11/14/2018

[LUMCAT] WD1611GV-27L-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	1906
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	18
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-27L35K-EX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5966	5966	5966
55	4242	4242	4242
65	1791	1791	1791
75	1357	1357	1357
85	730	730	730

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-27L35K-EX-TF2-MWI.IES

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	846.276	846.276	846.276	846.276	846.276	846.276	846.276	846.276	846.276	846.276
2.5	846.276	846.276	846.276	846.276	846.276	846.276	846.276	846.276	846.276	846.276
5.0	845.850	845.850	845.850	845.850	845.850	845.850	845.850	845.850	845.850	845.850
7.5	839.167	839.167	839.167	839.167	839.167	839.167	839.167	839.167	839.167	839.167
10.0	832.026	832.026	832.026	832.026	832.026	832.026	832.026	832.026	832.026	832.026
12.5	821.845	821.845	821.845	821.845	821.845	821.845	821.845	821.845	821.845	821.845
15.0	810.611	810.611	810.611	810.611	810.611	810.611	810.611	810.611	810.611	810.611
17.5	795.025	795.025	795.025	795.025	795.025	795.025	795.025	795.025	795.025	795.025
20.0	778.296	778.296	778.296	778.296	778.296	778.296	778.296	778.296	778.296	778.296
22.5	758.298	758.298	758.298	758.298	758.298	758.298	758.298	758.298	758.298	758.298
25.0	737.065	737.065	737.065	737.065	737.065	737.065	737.065	737.065	737.065	737.065
27.5	713.279	713.279	713.279	713.279	713.279	713.279	713.279	713.279	713.279	713.279
30.0	689.515	689.515	689.515	689.515	689.515	689.515	689.515	689.515	689.515	689.515
32.5	665.784	665.784	665.784	665.784	665.784	665.784	665.784	665.784	665.784	665.784
35.0	642.274	642.274	642.274	642.274	642.274	642.274	642.274	642.274	642.274	642.274
37.5	619.030	619.030	619.030	619.030	619.030	619.030	619.030	619.030	619.030	619.030
40.0	595.249	595.249	595.249	595.249	595.249	595.249	595.249	595.249	595.249	595.249
42.5	570.976	570.976	570.976	570.976	570.976	570.976	570.976	570.976	570.976	570.976
45.0	544.992	544.992	544.992	544.992	544.992	544.992	544.992	544.992	544.992	544.992
47.5	517.790	517.790	517.790	517.790	517.790	517.790	517.790	517.790	517.790	517.790
50.0	465.260	465.260	465.260	465.260	465.260	465.260	465.260	465.260	465.260	465.260
52.5	399.062	399.062	399.062	399.062	399.062	399.062	399.062	399.062	399.062	399.062
55.0	314.303	314.303	314.303	314.303	314.303	314.303	314.303	314.303	314.303	314.303
57.5	222.155	222.155	222.155	222.155	222.155	222.155	222.155	222.155	222.155	222.155
60.0	167.282	167.282	167.282	167.282	167.282	167.282	167.282	167.282	167.282	167.282
62.5	122.964	122.964	122.964	122.964	122.964	122.964	122.964	122.964	122.964	122.964
65.0	97.808	97.808	97.808	97.808	97.808	97.808	97.808	97.808	97.808	97.808
67.5	76.159	76.159	76.159	76.159	76.159	76.159	76.159	76.159	76.159	76.159
70.0	64.062	64.062	64.062	64.062	64.062	64.062	64.062	64.062	64.062	64.062
72.5	53.243	53.243	53.243	53.243	53.243	53.243	53.243	53.243	53.243	53.243
75.0	45.390	45.390	45.390	45.390	45.390	45.390	45.390	45.390	45.390	45.390
77.5	36.269	36.269	36.269	36.269	36.269	36.269	36.269	36.269	36.269	36.269
80.0	26.558	26.558	26.558	26.558	26.558	26.558	26.558	26.558	26.558	26.558
82.5	16.794	16.794	16.794	16.794	16.794	16.794	16.794	16.794	16.794	16.794
85.0	8.220	8.220	8.220	8.220	8.220	8.220	8.220	8.220	8.220	8.220
87.5	2.206	2.206	2.206	2.206	2.206	2.206	2.206	2.206	2.206	2.206
90.0	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660

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	846.276	846.276	846.276	846.276	846.276	846.276	846.276
2.5	846.276	846.276	846.276	846.276	846.276	846.276	846.276
5.0	845.850	845.850	845.850	845.850	845.850	845.850	845.850
7.5	839.167	839.167	839.167	839.167	839.167	839.167	839.167
10.0	832.026	832.026	832.026	832.026	832.026	832.026	832.026
12.5	821.845	821.845	821.845	821.845	821.845	821.845	821.845
15.0	810.611	810.611	810.611	810.611	810.611	810.611	810.611
17.5	795.025	795.025	795.025	795.025	795.025	795.025	795.025
20.0	778.296	778.296	778.296	778.296	778.296	778.296	778.296
22.5	758.298	758.298	758.298	758.298	758.298	758.298	758.298

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-27L35K-EX-TF2-MWI.IES****CANDELA TABULATION - (Cont.)**

25.0	737.065	737.065	737.065	737.065	737.065	737.065	737.065
27.5	713.279	713.279	713.279	713.279	713.279	713.279	713.279
30.0	689.515	689.515	689.515	689.515	689.515	689.515	689.515
32.5	665.784	665.784	665.784	665.784	665.784	665.784	665.784
35.0	642.274	642.274	642.274	642.274	642.274	642.274	642.274
37.5	619.030	619.030	619.030	619.030	619.030	619.030	619.030
40.0	595.249	595.249	595.249	595.249	595.249	595.249	595.249
42.5	570.976	570.976	570.976	570.976	570.976	570.976	570.976
45.0	544.992	544.992	544.992	544.992	544.992	544.992	544.992
47.5	517.790	517.790	517.790	517.790	517.790	517.790	517.790
50.0	465.260	465.260	465.260	465.260	465.260	465.260	465.260
52.5	399.062	399.062	399.062	399.062	399.062	399.062	399.062
55.0	314.303	314.303	314.303	314.303	314.303	314.303	314.303
57.5	222.155	222.155	222.155	222.155	222.155	222.155	222.155
60.0	167.282	167.282	167.282	167.282	167.282	167.282	167.282
62.5	122.964	122.964	122.964	122.964	122.964	122.964	122.964
65.0	97.808	97.808	97.808	97.808	97.808	97.808	97.808
67.5	76.159	76.159	76.159	76.159	76.159	76.159	76.159
70.0	64.062	64.062	64.062	64.062	64.062	64.062	64.062
72.5	53.243	53.243	53.243	53.243	53.243	53.243	53.243
75.0	45.390	45.390	45.390	45.390	45.390	45.390	45.390
77.5	36.269	36.269	36.269	36.269	36.269	36.269	36.269
80.0	26.558	26.558	26.558	26.558	26.558	26.558	26.558
82.5	16.794	16.794	16.794	16.794	16.794	16.794	16.794
85.0	8.220	8.220	8.220	8.220	8.220	8.220	8.220
87.5	2.206	2.206	2.206	2.206	2.206	2.206	2.206
90.0	0.660	0.660	0.660	0.660	0.660	0.660	0.660

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-27L35K-EX-TF2-MWI.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	308.53	N.A.	16.20
0-30	647.82	N.A.	34.00
0-40	1050.21	N.A.	55.10
0-60	1745.93	N.A.	91.60
0-80	1895.21	N.A.	99.40
0-90	1906.31	N.A.	100.00
10-90	1826.09	N.A.	95.80
20-40	741.68	N.A.	38.90
20-50	1159.38	N.A.	60.80
40-70	797.48	N.A.	41.80
60-80	149.28	N.A.	7.80
70-80	47.52	N.A.	2.50
80-90	11.10	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	1906.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	80.22
10-20	228.31
20-30	339.29
30-40	402.38
40-50	417.71
50-60	278.02
60-70	101.76
70-80	47.52
80-90	11.10
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-27L35K-EX-TF2-MWI.IES

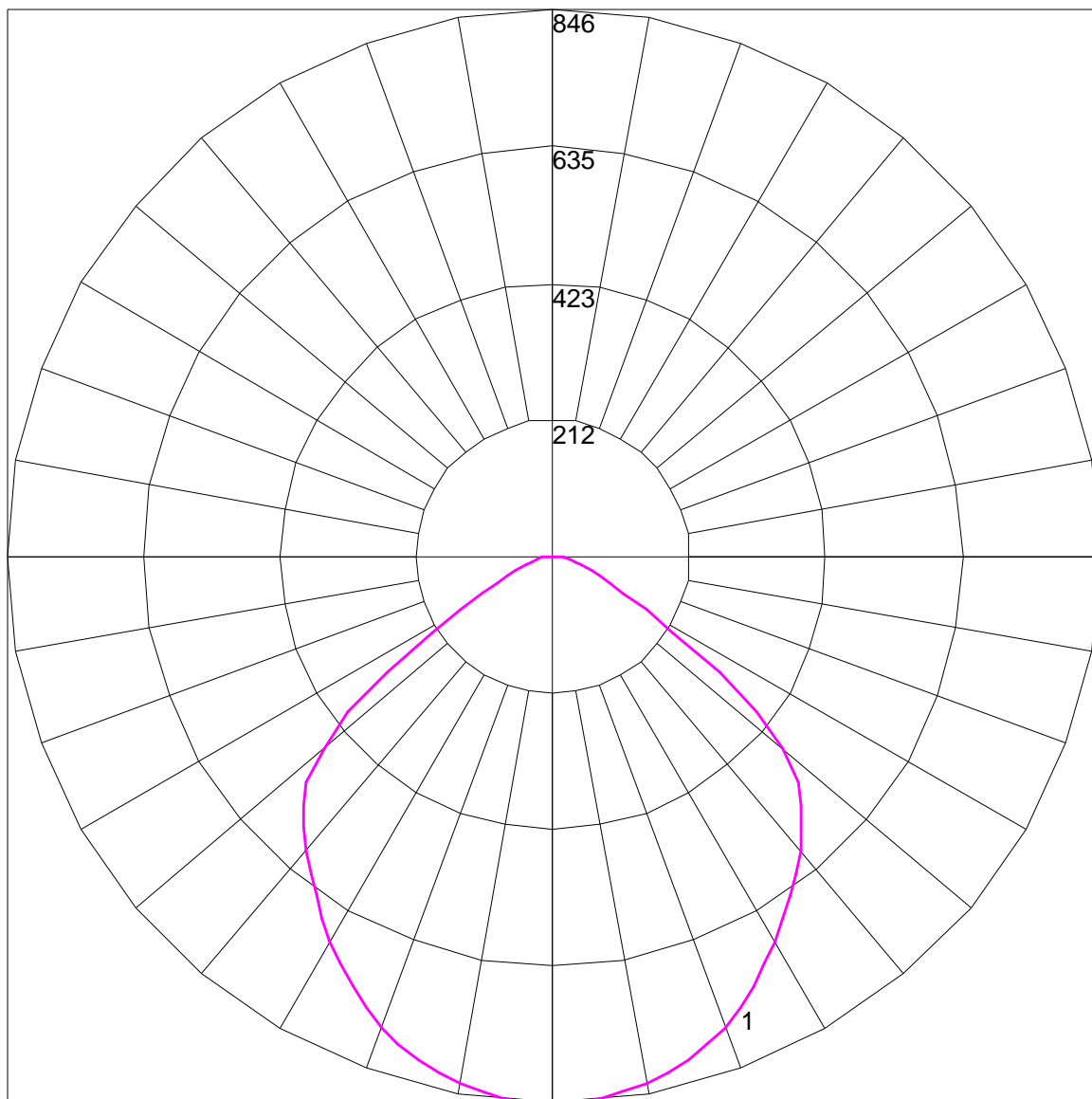
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00531_6 ~ WD1611GV-27L35K-EX-TF2-MWI.IES

POLAR GRAPH



Maximum Candela = 846.276 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)