

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00663_3 ~ DB1413GV-27L35KEX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00663_3_M-27L
 [TESTLAB] Spectrum Photometric Lab VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2018
 [UPDATED] 4/26/2018
 [LUMCAT] DB1413GV-27L-35K-EX-TF2-MWI
 [LUMINAIRE] Nom. 14.5" diam. x 14.6" H, Deep Bowl RLM shade
 [OTHER] Regressed, 6" diam. low profile frosted glass diffuser
 [OTHER] Reflector: Matte White, Interior finish
 [OTHER] Beam Angle: 92 degrees
 [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	1814
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	18
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Circular
Luminous Length (0-180)	1.21 ft (Diameter)
Luminous Width (90-270)	1.21 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00663_3 ~ DB1413GV-27L35KEX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6394	6394	6394
55	2971	2971	2971
65	2336	2336	2336
75	2221	2221	2221
85	1211	1211	1211

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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	860.053	860.053	860.053	860.053	860.053	860.053	860.053	860.053	860.053	860.053
2.5	860.037	860.037	860.037	860.037	860.037	860.037	860.037	860.037	860.037	860.037
5.0	859.038	859.038	859.038	859.038	859.038	859.038	859.038	859.038	859.038	859.038
7.5	851.741	851.741	851.741	851.741	851.741	851.741	851.741	851.741	851.741	851.741
10.0	844.090	844.090	844.090	844.090	844.090	844.090	844.090	844.090	844.090	844.090
12.5	833.207	833.207	833.207	833.207	833.207	833.207	833.207	833.207	833.207	833.207
15.0	821.934	821.934	821.934	821.934	821.934	821.934	821.934	821.934	821.934	821.934
17.5	808.389	808.389	808.389	808.389	808.389	808.389	808.389	808.389	808.389	808.389
20.0	794.531	794.531	794.531	794.531	794.531	794.531	794.531	794.531	794.531	794.531
22.5	779.377	779.377	779.377	779.377	779.377	779.377	779.377	779.377	779.377	779.377
25.0	763.779	763.779	763.779	763.779	763.779	763.779	763.779	763.779	763.779	763.779
27.5	746.814	746.814	746.814	746.814	746.814	746.814	746.814	746.814	746.814	746.814
30.0	729.583	729.583	729.583	729.583	729.583	729.583	729.583	729.583	729.583	729.583
32.5	711.708	711.708	711.708	711.708	711.708	711.708	711.708	711.708	711.708	711.708
35.0	691.507	691.507	691.507	691.507	691.507	691.507	691.507	691.507	691.507	691.507
37.5	666.826	666.826	666.826	666.826	666.826	666.826	666.826	666.826	666.826	666.826
40.0	627.033	627.033	627.033	627.033	627.033	627.033	627.033	627.033	627.033	627.033
42.5	563.845	563.845	563.845	563.845	563.845	563.845	563.845	563.845	563.845	563.845
45.0	481.868	481.868	481.868	481.868	481.868	481.868	481.868	481.868	481.868	481.868
47.5	375.937	375.937	375.937	375.937	375.937	375.937	375.937	375.937	375.937	375.937
50.0	290.374	290.374	290.374	290.374	290.374	290.374	290.374	290.374	290.374	290.374
52.5	226.112	226.112	226.112	226.112	226.112	226.112	226.112	226.112	226.112	226.112
55.0	181.622	181.622	181.622	181.622	181.622	181.622	181.622	181.622	181.622	181.622
57.5	154.107	154.107	154.107	154.107	154.107	154.107	154.107	154.107	154.107	154.107
60.0	133.334	133.334	133.334	133.334	133.334	133.334	133.334	133.334	133.334	133.334
62.5	117.318	117.318	117.318	117.318	117.318	117.318	117.318	117.318	117.318	117.318
65.0	105.215	105.215	105.215	105.215	105.215	105.215	105.215	105.215	105.215	105.215
67.5	95.304	95.304	95.304	95.304	95.304	95.304	95.304	95.304	95.304	95.304
70.0	84.622	84.622	84.622	84.622	84.622	84.622	84.622	84.622	84.622	84.622
72.5	73.612	73.612	73.612	73.612	73.612	73.612	73.612	73.612	73.612	73.612
75.0	61.258	61.258	61.258	61.258	61.258	61.258	61.258	61.258	61.258	61.258
77.5	48.641	48.641	48.641	48.641	48.641	48.641	48.641	48.641	48.641	48.641
80.0	35.780	35.780	35.780	35.780	35.780	35.780	35.780	35.780	35.780	35.780
82.5	22.880	22.880	22.880	22.880	22.880	22.880	22.880	22.880	22.880	22.880
85.0	11.247	11.247	11.247	11.247	11.247	11.247	11.247	11.247	11.247	11.247
87.5	3.168	3.168	3.168	3.168	3.168	3.168	3.168	3.168	3.168	3.168
90.0	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360

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>
0.0	860.053	860.053	860.053	860.053	860.053	860.053	860.053
2.5	860.037	860.037	860.037	860.037	860.037	860.037	860.037
5.0	859.038	859.038	859.038	859.038	859.038	859.038	859.038
7.5	851.741	851.741	851.741	851.741	851.741	851.741	851.741
10.0	844.090	844.090	844.090	844.090	844.090	844.090	844.090
12.5	833.207	833.207	833.207	833.207	833.207	833.207	833.207
15.0	821.934	821.934	821.934	821.934	821.934	821.934	821.934
17.5	808.389	808.389	808.389	808.389	808.389	808.389	808.389
20.0	794.531	794.531	794.531	794.531	794.531	794.531	794.531
22.5	779.377	779.377	779.377	779.377	779.377	779.377	779.377

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25.0	763.779	763.779	763.779	763.779	763.779	763.779	763.779
27.5	746.814	746.814	746.814	746.814	746.814	746.814	746.814
30.0	729.583	729.583	729.583	729.583	729.583	729.583	729.583
32.5	711.708	711.708	711.708	711.708	711.708	711.708	711.708
35.0	691.507	691.507	691.507	691.507	691.507	691.507	691.507
37.5	666.826	666.826	666.826	666.826	666.826	666.826	666.826
40.0	627.033	627.033	627.033	627.033	627.033	627.033	627.033
42.5	563.845	563.845	563.845	563.845	563.845	563.845	563.845
45.0	481.868	481.868	481.868	481.868	481.868	481.868	481.868
47.5	375.937	375.937	375.937	375.937	375.937	375.937	375.937
50.0	290.374	290.374	290.374	290.374	290.374	290.374	290.374
52.5	226.112	226.112	226.112	226.112	226.112	226.112	226.112
55.0	181.622	181.622	181.622	181.622	181.622	181.622	181.622
57.5	154.107	154.107	154.107	154.107	154.107	154.107	154.107
60.0	133.334	133.334	133.334	133.334	133.334	133.334	133.334
62.5	117.318	117.318	117.318	117.318	117.318	117.318	117.318
65.0	105.215	105.215	105.215	105.215	105.215	105.215	105.215
67.5	95.304	95.304	95.304	95.304	95.304	95.304	95.304
70.0	84.622	84.622	84.622	84.622	84.622	84.622	84.622
72.5	73.612	73.612	73.612	73.612	73.612	73.612	73.612
75.0	61.258	61.258	61.258	61.258	61.258	61.258	61.258
77.5	48.641	48.641	48.641	48.641	48.641	48.641	48.641
80.0	35.780	35.780	35.780	35.780	35.780	35.780	35.780
82.5	22.880	22.880	22.880	22.880	22.880	22.880	22.880
85.0	11.247	11.247	11.247	11.247	11.247	11.247	11.247
87.5	3.168	3.168	3.168	3.168	3.168	3.168	3.168
90.0	0.360	0.360	0.360	0.360	0.360	0.360	0.360

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Zone	Lumens	%Lamp	%Fixt
0-20	313.37	N.A.	17.30
0-30	665.66	N.A.	36.70
0-40	1096.1	N.A.	60.40
0-60	1628.66	N.A.	89.80
0-80	1798.55	N.A.	99.20
0-90	1813.6	N.A.	100.00
10-90	1732.16	N.A.	95.50
20-40	782.73	N.A.	43.20
20-50	1143.07	N.A.	63.00
40-70	638.18	N.A.	35.20
60-80	169.89	N.A.	9.40
70-80	64.27	N.A.	3.50
80-90	15.05	N.A.	0.80
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	1813.6	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	81.44
10-20	231.93
20-30	352.29
30-40	430.44
40-50	360.34
50-60	172.22
60-70	105.62
70-80	64.27
80-90	15.05
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

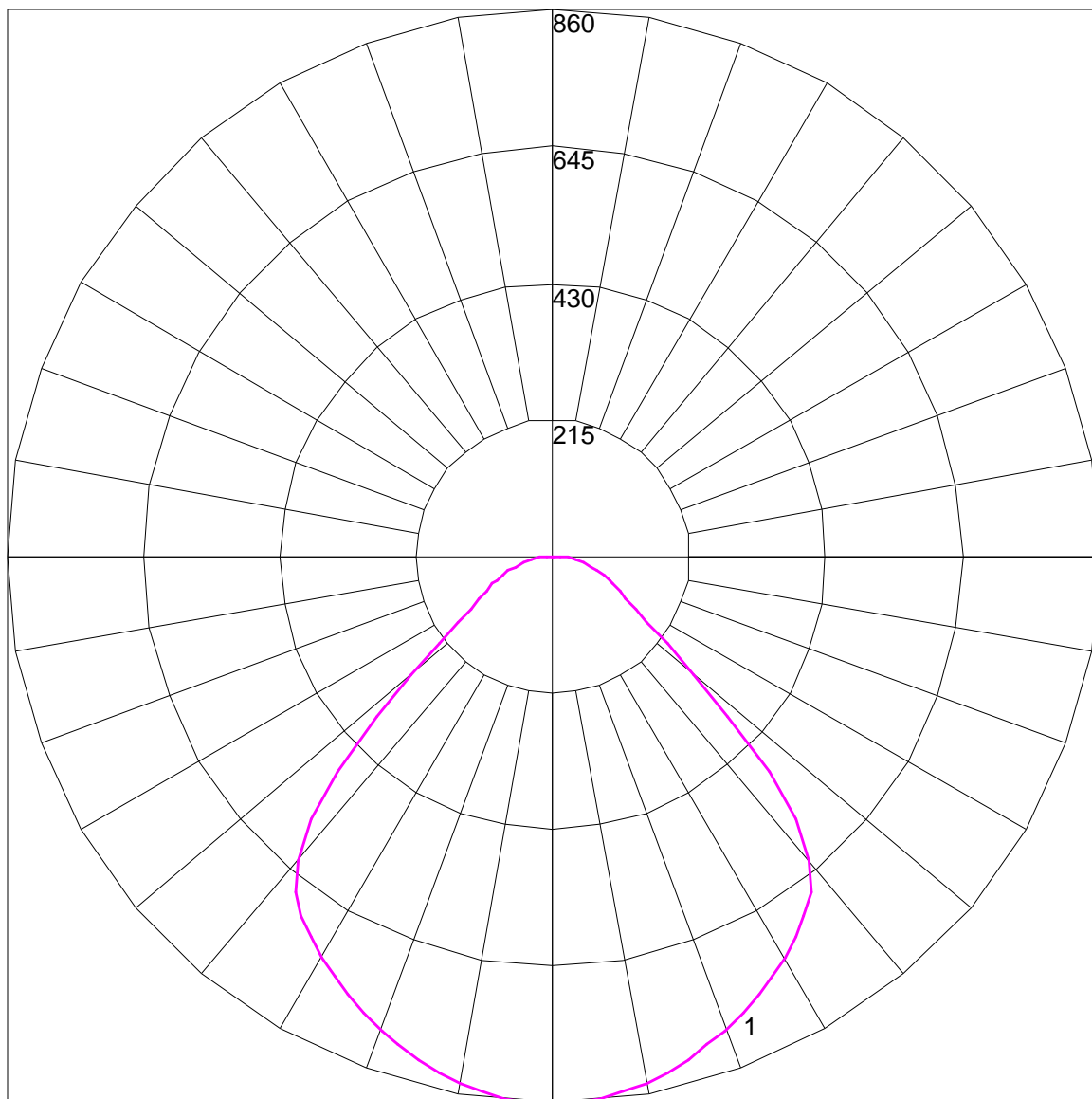
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	98	100	98	95	97	94	92	93	91	90	88
2	102	95	90	85	100	94	88	84	90	86	82	87	83	80	84	81	78	76
3	95	86	79	73	92	84	78	72	81	76	71	79	74	70	76	72	69	67
4	88	77	70	64	86	76	69	63	74	67	62	71	66	62	69	65	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	76	64	56	50	74	63	55	50	61	54	49	60	54	49	58	53	49	47
7	71	58	50	45	69	58	50	45	56	49	44	55	49	44	53	48	44	42
8	66	54	46	40	64	53	46	40	52	45	40	50	44	40	49	44	40	38
9	62	49	42	37	60	49	42	37	48	41	36	47	41	36	46	40	36	34
10	58	46	38	34	57	45	38	33	44	38	33	43	37	33	43	37	33	31

POLAR GRAPH



Maximum Candela = 860.053 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)