

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00663_3 ~ DB1413GV-15L35KEX-TF2-MWI.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00663_3_M-15L
 [TESTLAB] Spectrum Photometric Lab VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 4/17/2018
 [UPDATED] 4/26/2018
 [LUMCAT] DB1413GV-15L-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	1038
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	10
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-15L35KEX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3660	3660	3660
55	1701	1701	1701
65	1337	1337	1337
75	1271	1271	1271
85	693	693	693

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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	492.255	492.255	492.255	492.255	492.255	492.255	492.255	492.255	492.255	492.255
2.5	492.246	492.246	492.246	492.246	492.246	492.246	492.246	492.246	492.246	492.246
5.0	491.674	491.674	491.674	491.674	491.674	491.674	491.674	491.674	491.674	491.674
7.5	487.498	487.498	487.498	487.498	487.498	487.498	487.498	487.498	487.498	487.498
10.0	483.119	483.119	483.119	483.119	483.119	483.119	483.119	483.119	483.119	483.119
12.5	476.889	476.889	476.889	476.889	476.889	476.889	476.889	476.889	476.889	476.889
15.0	470.438	470.438	470.438	470.438	470.438	470.438	470.438	470.438	470.438	470.438
17.5	462.685	462.685	462.685	462.685	462.685	462.685	462.685	462.685	462.685	462.685
20.0	454.753	454.753	454.753	454.753	454.753	454.753	454.753	454.753	454.753	454.753
22.5	446.080	446.080	446.080	446.080	446.080	446.080	446.080	446.080	446.080	446.080
25.0	437.152	437.152	437.152	437.152	437.152	437.152	437.152	437.152	437.152	437.152
27.5	427.442	427.442	427.442	427.442	427.442	427.442	427.442	427.442	427.442	427.442
30.0	417.580	417.580	417.580	417.580	417.580	417.580	417.580	417.580	417.580	417.580
32.5	407.349	407.349	407.349	407.349	407.349	407.349	407.349	407.349	407.349	407.349
35.0	395.787	395.787	395.787	395.787	395.787	395.787	395.787	395.787	395.787	395.787
37.5	381.661	381.661	381.661	381.661	381.661	381.661	381.661	381.661	381.661	381.661
40.0	358.885	358.885	358.885	358.885	358.885	358.885	358.885	358.885	358.885	358.885
42.5	322.719	322.719	322.719	322.719	322.719	322.719	322.719	322.719	322.719	322.719
45.0	275.799	275.799	275.799	275.799	275.799	275.799	275.799	275.799	275.799	275.799
47.5	215.169	215.169	215.169	215.169	215.169	215.169	215.169	215.169	215.169	215.169
50.0	166.197	166.197	166.197	166.197	166.197	166.197	166.197	166.197	166.197	166.197
52.5	129.416	129.416	129.416	129.416	129.416	129.416	129.416	129.416	129.416	129.416
55.0	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952	103.952
57.5	88.204	88.204	88.204	88.204	88.204	88.204	88.204	88.204	88.204	88.204
60.0	76.314	76.314	76.314	76.314	76.314	76.314	76.314	76.314	76.314	76.314
62.5	67.148	67.148	67.148	67.148	67.148	67.148	67.148	67.148	67.148	67.148
65.0	60.220	60.220	60.220	60.220	60.220	60.220	60.220	60.220	60.220	60.220
67.5	54.548	54.548	54.548	54.548	54.548	54.548	54.548	54.548	54.548	54.548
70.0	48.434	48.434	48.434	48.434	48.434	48.434	48.434	48.434	48.434	48.434
72.5	42.132	42.132	42.132	42.132	42.132	42.132	42.132	42.132	42.132	42.132
75.0	35.061	35.061	35.061	35.061	35.061	35.061	35.061	35.061	35.061	35.061
77.5	27.840	27.840	27.840	27.840	27.840	27.840	27.840	27.840	27.840	27.840
80.0	20.479	20.479	20.479	20.479	20.479	20.479	20.479	20.479	20.479	20.479
82.5	13.095	13.095	13.095	13.095	13.095	13.095	13.095	13.095	13.095	13.095
85.0	6.437	6.437	6.437	6.437	6.437	6.437	6.437	6.437	6.437	6.437
87.5	1.813	1.813	1.813	1.813	1.813	1.813	1.813	1.813	1.813	1.813
90.0	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206	0.206

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	492.255	492.255	492.255	492.255	492.255	492.255	492.255
2.5	492.246	492.246	492.246	492.246	492.246	492.246	492.246
5.0	491.674	491.674	491.674	491.674	491.674	491.674	491.674
7.5	487.498	487.498	487.498	487.498	487.498	487.498	487.498
10.0	483.119	483.119	483.119	483.119	483.119	483.119	483.119
12.5	476.889	476.889	476.889	476.889	476.889	476.889	476.889
15.0	470.438	470.438	470.438	470.438	470.438	470.438	470.438
17.5	462.685	462.685	462.685	462.685	462.685	462.685	462.685
20.0	454.753	454.753	454.753	454.753	454.753	454.753	454.753
22.5	446.080	446.080	446.080	446.080	446.080	446.080	446.080

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25.0	437.152	437.152	437.152	437.152	437.152	437.152	437.152
27.5	427.442	427.442	427.442	427.442	427.442	427.442	427.442
30.0	417.580	417.580	417.580	417.580	417.580	417.580	417.580
32.5	407.349	407.349	407.349	407.349	407.349	407.349	407.349
35.0	395.787	395.787	395.787	395.787	395.787	395.787	395.787
37.5	381.661	381.661	381.661	381.661	381.661	381.661	381.661
40.0	358.885	358.885	358.885	358.885	358.885	358.885	358.885
42.5	322.719	322.719	322.719	322.719	322.719	322.719	322.719
45.0	275.799	275.799	275.799	275.799	275.799	275.799	275.799
47.5	215.169	215.169	215.169	215.169	215.169	215.169	215.169
50.0	166.197	166.197	166.197	166.197	166.197	166.197	166.197
52.5	129.416	129.416	129.416	129.416	129.416	129.416	129.416
55.0	103.952	103.952	103.952	103.952	103.952	103.952	103.952
57.5	88.204	88.204	88.204	88.204	88.204	88.204	88.204
60.0	76.314	76.314	76.314	76.314	76.314	76.314	76.314
62.5	67.148	67.148	67.148	67.148	67.148	67.148	67.148
65.0	60.220	60.220	60.220	60.220	60.220	60.220	60.220
67.5	54.548	54.548	54.548	54.548	54.548	54.548	54.548
70.0	48.434	48.434	48.434	48.434	48.434	48.434	48.434
72.5	42.132	42.132	42.132	42.132	42.132	42.132	42.132
75.0	35.061	35.061	35.061	35.061	35.061	35.061	35.061
77.5	27.840	27.840	27.840	27.840	27.840	27.840	27.840
80.0	20.479	20.479	20.479	20.479	20.479	20.479	20.479
82.5	13.095	13.095	13.095	13.095	13.095	13.095	13.095
85.0	6.437	6.437	6.437	6.437	6.437	6.437	6.437
87.5	1.813	1.813	1.813	1.813	1.813	1.813	1.813
90.0	0.206	0.206	0.206	0.206	0.206	0.206	0.206

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Zone	Lumens	%Lamp	%Fixt
0-20	179.36	N.A.	17.30
0-30	380.99	N.A.	36.70
0-40	627.36	N.A.	60.40
0-60	932.17	N.A.	89.80
0-80	1029.41	N.A.	99.20
0-90	1038.02	N.A.	100.00
10-90	991.41	N.A.	95.50
20-40	448.00	N.A.	43.20
20-50	654.24	N.A.	63.00
40-70	365.27	N.A.	35.20
60-80	97.23	N.A.	9.40
70-80	36.78	N.A.	3.50
80-90	8.61	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	1038.02	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	46.61
10-20	132.75
20-30	201.63
30-40	246.36
40-50	206.24
50-60	98.57
60-70	60.45
70-80	36.78
80-90	8.61
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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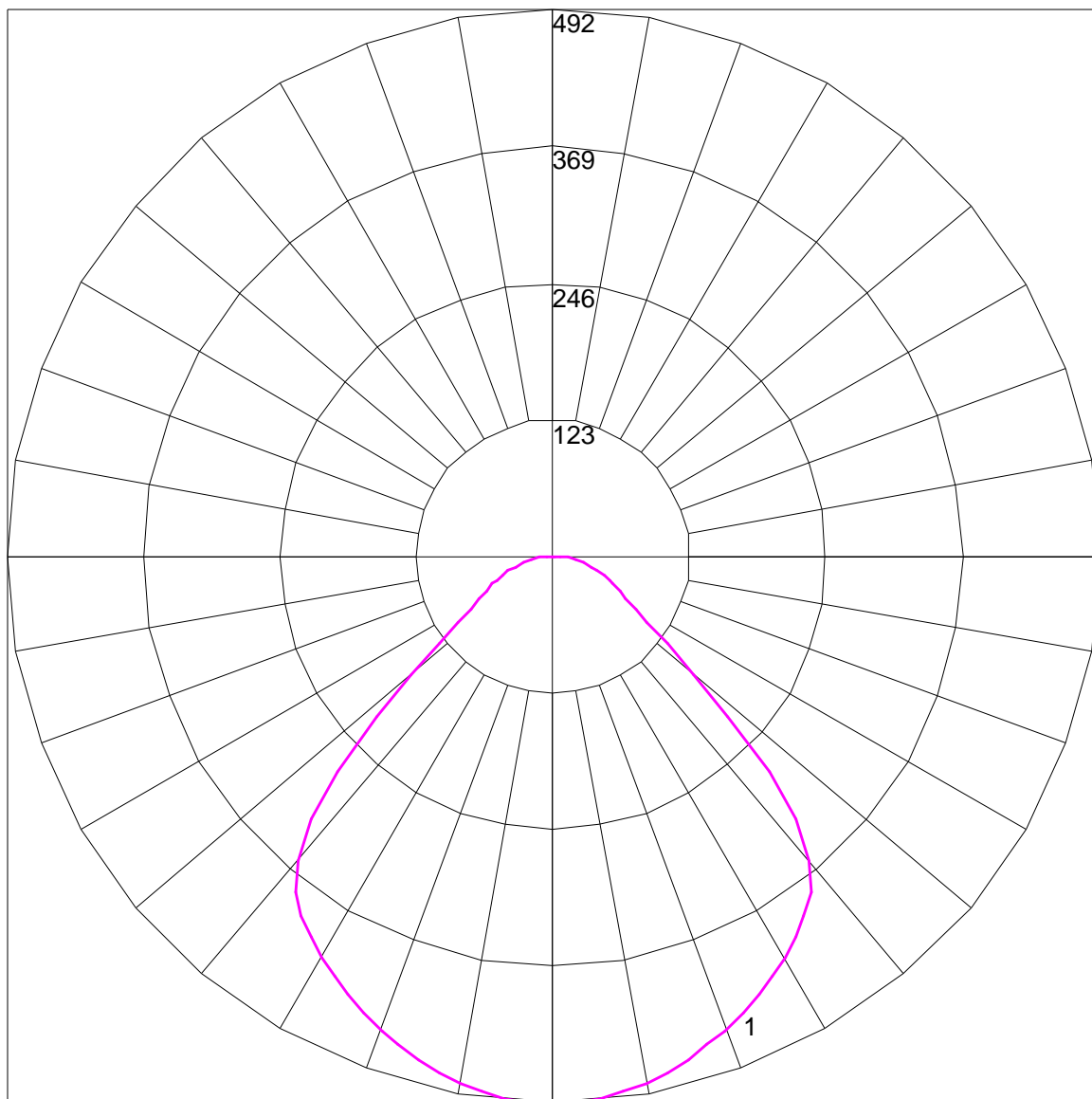
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	63	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	65	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

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POLAR GRAPH



Maximum Candela = 492.255 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)