

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00663_3 ~ DB1413GV-55L35KEX-TF2-MWI.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00663_3
[TESTLAB] Spectrum Photometric Lab VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 4/17/2018
[UPDATED] 4/26/2018
[LUMCAT] DB1413GV-55L-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
[_CRI]85+

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3917
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	39
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-55L35KEX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13810	13810	13810
55	6417	6417	6417
65	5045	5045	5045
75	4797	4797	4797
85	2615	2615	2615

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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	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565
2.5	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531
5.0	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374
7.5	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614
10.0	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089
12.5	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583
15.0	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236
17.5	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981
20.0	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049
22.5	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319
25.0	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630
27.5	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990
30.0	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774
32.5	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167
35.0	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536
37.5	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230
40.0	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284
42.5	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808
45.0	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751
47.5	811.960	811.960	811.960	811.960	811.960	811.960	811.960	811.960	811.960	811.960
50.0	627.157	627.157	627.157	627.157	627.157	627.157	627.157	627.157	627.157	627.157
52.5	488.362	488.362	488.362	488.362	488.362	488.362	488.362	488.362	488.362	488.362
55.0	392.273	392.273	392.273	392.273	392.273	392.273	392.273	392.273	392.273	392.273
57.5	332.845	332.845	332.845	332.845	332.845	332.845	332.845	332.845	332.845	332.845
60.0	287.979	287.979	287.979	287.979	287.979	287.979	287.979	287.979	287.979	287.979
62.5	253.387	253.387	253.387	253.387	253.387	253.387	253.387	253.387	253.387	253.387
65.0	227.246	227.246	227.246	227.246	227.246	227.246	227.246	227.246	227.246	227.246
67.5	205.841	205.841	205.841	205.841	205.841	205.841	205.841	205.841	205.841	205.841
70.0	182.769	182.769	182.769	182.769	182.769	182.769	182.769	182.769	182.769	182.769
72.5	158.990	158.990	158.990	158.990	158.990	158.990	158.990	158.990	158.990	158.990
75.0	132.307	132.307	132.307	132.307	132.307	132.307	132.307	132.307	132.307	132.307
77.5	105.056	105.056	105.056	105.056	105.056	105.056	105.056	105.056	105.056	105.056
80.0	77.279	77.279	77.279	77.279	77.279	77.279	77.279	77.279	77.279	77.279
82.5	49.416	49.416	49.416	49.416	49.416	49.416	49.416	49.416	49.416	49.416
85.0	24.291	24.291	24.291	24.291	24.291	24.291	24.291	24.291	24.291	24.291
87.5	6.842	6.842	6.842	6.842	6.842	6.842	6.842	6.842	6.842	6.842
90.0	0.778	0.778	0.778	0.778	0.778	0.778	0.778	0.778	0.778	0.778

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	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565	1857.565
2.5	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531	1857.531
5.0	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374	1855.374
7.5	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614	1839.614
10.0	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089	1823.089
12.5	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583	1799.583
15.0	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236	1775.236
17.5	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981	1745.981
20.0	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049	1716.049
22.5	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319	1683.319

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25.0	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630	1649.630
27.5	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990	1612.990
30.0	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774	1575.774
32.5	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167	1537.167
35.0	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536	1493.536
37.5	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230	1440.230
40.0	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284	1354.284
42.5	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808	1217.808
45.0	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751	1040.751
47.5	811.960	811.960	811.960	811.960	811.960	811.960	811.960
50.0	627.157	627.157	627.157	627.157	627.157	627.157	627.157
52.5	488.362	488.362	488.362	488.362	488.362	488.362	488.362
55.0	392.273	392.273	392.273	392.273	392.273	392.273	392.273
57.5	332.845	332.845	332.845	332.845	332.845	332.845	332.845
60.0	287.979	287.979	287.979	287.979	287.979	287.979	287.979
62.5	253.387	253.387	253.387	253.387	253.387	253.387	253.387
65.0	227.246	227.246	227.246	227.246	227.246	227.246	227.246
67.5	205.841	205.841	205.841	205.841	205.841	205.841	205.841
70.0	182.769	182.769	182.769	182.769	182.769	182.769	182.769
72.5	158.990	158.990	158.990	158.990	158.990	158.990	158.990
75.0	132.307	132.307	132.307	132.307	132.307	132.307	132.307
77.5	105.056	105.056	105.056	105.056	105.056	105.056	105.056
80.0	77.279	77.279	77.279	77.279	77.279	77.279	77.279
82.5	49.416	49.416	49.416	49.416	49.416	49.416	49.416
85.0	24.291	24.291	24.291	24.291	24.291	24.291	24.291
87.5	6.842	6.842	6.842	6.842	6.842	6.842	6.842
90.0	0.778	0.778	0.778	0.778	0.778	0.778	0.778

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Zone	Lumens	%Lamp	%Fixt
0-20	676.83	N.A.	17.30
0-30	1437.71	N.A.	36.70
0-40	2367.38	N.A.	60.40
0-60	3517.63	N.A.	89.80
0-80	3884.55	N.A.	99.20
0-90	3917.06	N.A.	100.00
10-90	3741.16	N.A.	95.50
20-40	1690.55	N.A.	43.20
20-50	2468.82	N.A.	63.00
40-70	1378.37	N.A.	35.20
60-80	366.92	N.A.	9.40
70-80	138.80	N.A.	3.50
80-90	32.51	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	3917.06	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	175.90
10-20	500.93
20-30	760.88
30-40	929.67
40-50	778.27
50-60	371.98
60-70	228.12
70-80	138.80
80-90	32.51
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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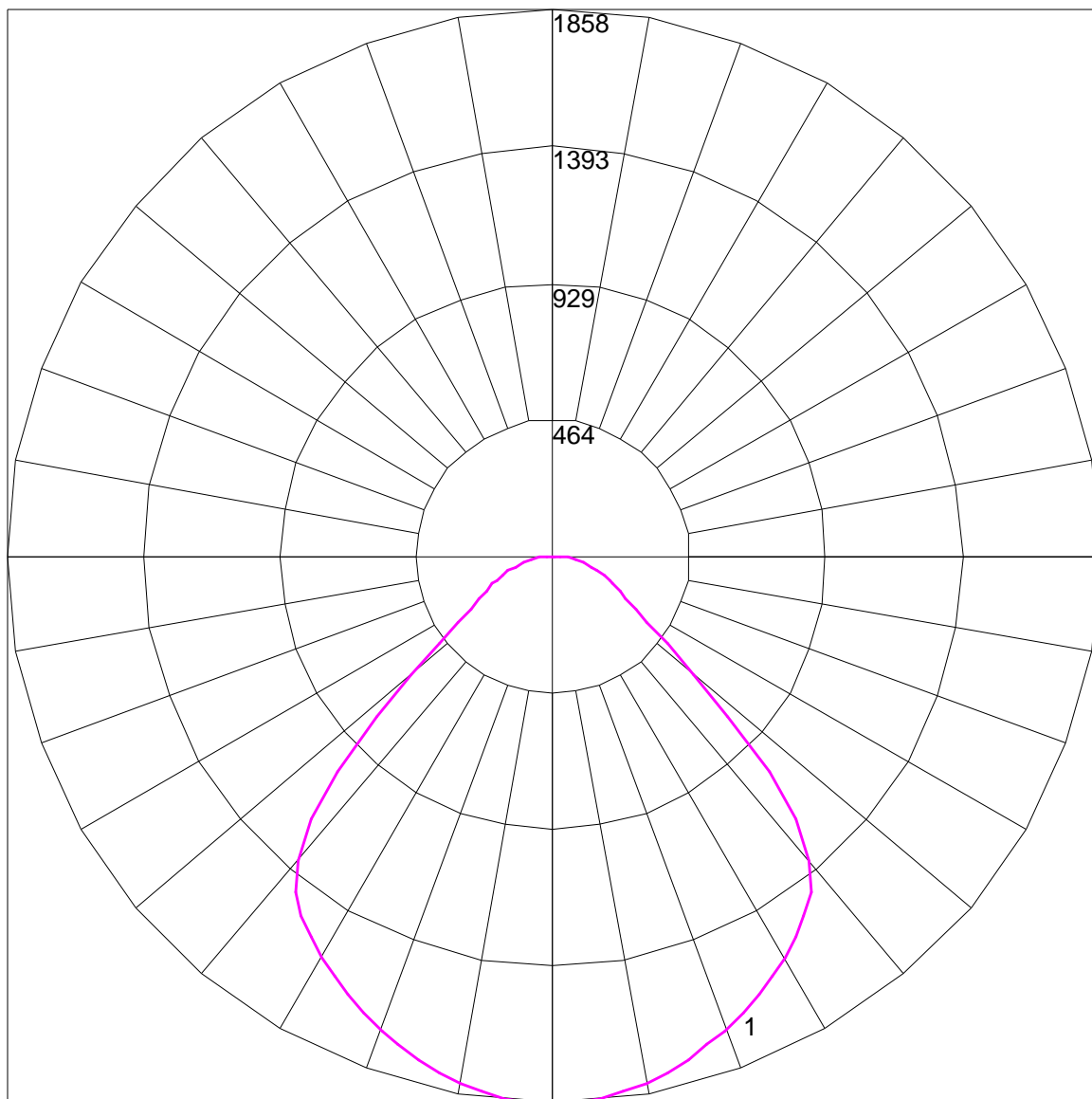
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 1857.565 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)