

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00663\_3 ~ DB1413GV-37L35KEX-TF2-MWI.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00663\_3\_M-37L  
 [TESTLAB] Spectrum Photometric Lab VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 4/17/2018  
 [UPDATED] 4/26/2018  
 [LUMCAT] DB1413GV-37L-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	2660
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	26
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-37L35KEX-TF2-MWI.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9377	9377	9377
55	4357	4357	4357
65	3426	3426	3426
75	3257	3257	3257
85	1776	1776	1776

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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	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287
2.5	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264
5.0	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799
7.5	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098
10.0	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877
12.5	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917
15.0	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385
17.5	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521
20.0	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197
22.5	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974
25.0	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099
27.5	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220
30.0	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951
32.5	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736
35.0	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111
37.5	977.916	977.916	977.916	977.916	977.916	977.916	977.916	977.916	977.916	977.916
40.0	919.559	919.559	919.559	919.559	919.559	919.559	919.559	919.559	919.559	919.559
42.5	826.892	826.892	826.892	826.892	826.892	826.892	826.892	826.892	826.892	826.892
45.0	706.670	706.670	706.670	706.670	706.670	706.670	706.670	706.670	706.670	706.670
47.5	551.321	551.321	551.321	551.321	551.321	551.321	551.321	551.321	551.321	551.321
50.0	425.840	425.840	425.840	425.840	425.840	425.840	425.840	425.840	425.840	425.840
52.5	331.598	331.598	331.598	331.598	331.598	331.598	331.598	331.598	331.598	331.598
55.0	266.353	266.353	266.353	266.353	266.353	266.353	266.353	266.353	266.353	266.353
57.5	226.002	226.002	226.002	226.002	226.002	226.002	226.002	226.002	226.002	226.002
60.0	195.538	195.538	195.538	195.538	195.538	195.538	195.538	195.538	195.538	195.538
62.5	172.050	172.050	172.050	172.050	172.050	172.050	172.050	172.050	172.050	172.050
65.0	154.300	154.300	154.300	154.300	154.300	154.300	154.300	154.300	154.300	154.300
67.5	139.766	139.766	139.766	139.766	139.766	139.766	139.766	139.766	139.766	139.766
70.0	124.100	124.100	124.100	124.100	124.100	124.100	124.100	124.100	124.100	124.100
72.5	107.954	107.954	107.954	107.954	107.954	107.954	107.954	107.954	107.954	107.954
75.0	89.836	89.836	89.836	89.836	89.836	89.836	89.836	89.836	89.836	89.836
77.5	71.333	71.333	71.333	71.333	71.333	71.333	71.333	71.333	71.333	71.333
80.0	52.472	52.472	52.472	52.472	52.472	52.472	52.472	52.472	52.472	52.472
82.5	33.553	33.553	33.553	33.553	33.553	33.553	33.553	33.553	33.553	33.553
85.0	16.494	16.494	16.494	16.494	16.494	16.494	16.494	16.494	16.494	16.494
87.5	4.646	4.646	4.646	4.646	4.646	4.646	4.646	4.646	4.646	4.646
90.0	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528	0.528

## 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	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287	1261.287
2.5	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264	1261.264
5.0	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799	1259.799
7.5	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098	1249.098
10.0	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877	1237.877
12.5	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917	1221.917
15.0	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385	1205.385
17.5	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521	1185.521
20.0	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197	1165.197
22.5	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974	1142.974

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25.0	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099	1120.099
27.5	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220	1095.220
30.0	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951	1069.951
32.5	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736	1043.736
35.0	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111	1014.111
37.5	977.916	977.916	977.916	977.916	977.916	977.916	977.916
40.0	919.559	919.559	919.559	919.559	919.559	919.559	919.559
42.5	826.892	826.892	826.892	826.892	826.892	826.892	826.892
45.0	706.670	706.670	706.670	706.670	706.670	706.670	706.670
47.5	551.321	551.321	551.321	551.321	551.321	551.321	551.321
50.0	425.840	425.840	425.840	425.840	425.840	425.840	425.840
52.5	331.598	331.598	331.598	331.598	331.598	331.598	331.598
55.0	266.353	266.353	266.353	266.353	266.353	266.353	266.353
57.5	226.002	226.002	226.002	226.002	226.002	226.002	226.002
60.0	195.538	195.538	195.538	195.538	195.538	195.538	195.538
62.5	172.050	172.050	172.050	172.050	172.050	172.050	172.050
65.0	154.300	154.300	154.300	154.300	154.300	154.300	154.300
67.5	139.766	139.766	139.766	139.766	139.766	139.766	139.766
70.0	124.100	124.100	124.100	124.100	124.100	124.100	124.100
72.5	107.954	107.954	107.954	107.954	107.954	107.954	107.954
75.0	89.836	89.836	89.836	89.836	89.836	89.836	89.836
77.5	71.333	71.333	71.333	71.333	71.333	71.333	71.333
80.0	52.472	52.472	52.472	52.472	52.472	52.472	52.472
82.5	33.553	33.553	33.553	33.553	33.553	33.553	33.553
85.0	16.494	16.494	16.494	16.494	16.494	16.494	16.494
87.5	4.646	4.646	4.646	4.646	4.646	4.646	4.646
90.0	0.528	0.528	0.528	0.528	0.528	0.528	0.528

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Zone	Lumens	%Lamp	%Fixt
0-20	459.57	N.A.	17.30
0-30	976.20	N.A.	36.70
0-40	1607.45	N.A.	60.40
0-60	2388.47	N.A.	89.80
0-80	2637.61	N.A.	99.20
0-90	2659.68	N.A.	100.00
10-90	2540.24	N.A.	95.50
20-40	1147.89	N.A.	43.20
20-50	1676.33	N.A.	63.00
40-70	935.91	N.A.	35.20
60-80	249.14	N.A.	9.40
70-80	94.25	N.A.	3.50
80-90	22.07	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	2659.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	119.44
10-20	340.13
20-30	516.64
30-40	631.25
40-50	528.45
50-60	252.57
60-70	154.89
70-80	94.25
80-90	22.07
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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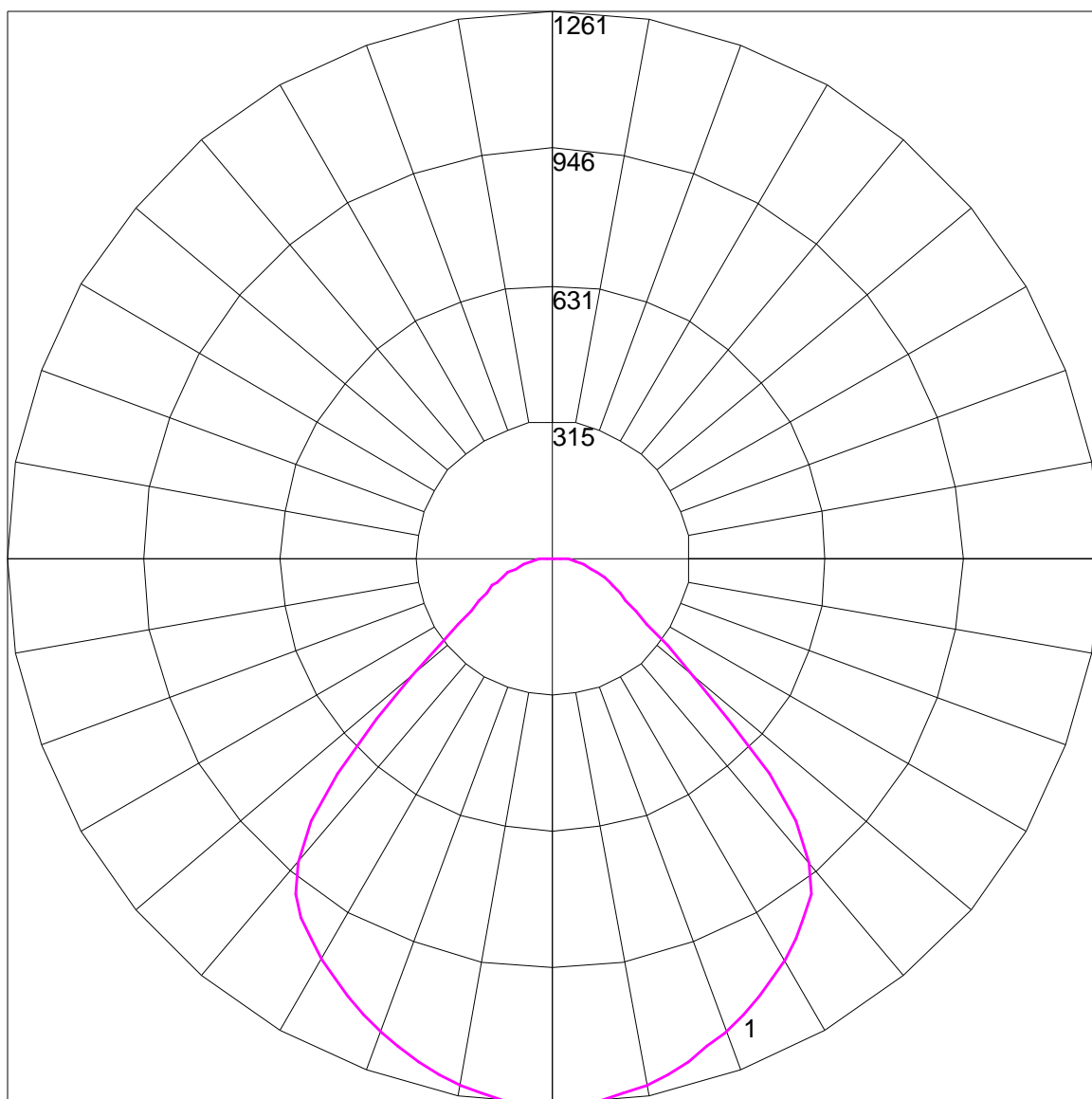
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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

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POLAR GRAPH



Maximum Candela = 1261.287 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)