

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : DHH1115GV-150L40KEX-MB.IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 3.2.11 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TEST] SP-00011\_22\_M-150L

[TESTDATE] Mar 13 2014

[UPDATE] 12/11/2018

[MANUFAC] Spectrum Lighting

[LUMCAT] DHH1115GV-150L-40K-EX-MB

[LUMINAIRE] Lumen Max Performance Pendant, matte black finish

[LAMP] N/A

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] Output multiplier for other color temperatures: x 0.944 for 3500K, 3000K, and 2700K

[OTHER] This report prepared by Spectrum Lighting

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11914
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	102
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.30
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.98 ft
Luminous Width (90-270)	0.98 ft
Luminous Height	0.00 ft

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**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	50388	50720	49932
55	43974	43538	43896
65	30115	27814	30074
75	9319	11065	9233
85	0	0	0

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CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>
<b>0</b>	4658.376	4658.376	4658.376
<b>5</b>	4687.163	4666.703	4676.616
<b>10</b>	4627.141	4694.140	4651.699
<b>15</b>	4543.373	4546.699	4514.301
<b>20</b>	4387.336	4432.501	4460.142
<b>25</b>	4259.062	4251.141	4244.758
<b>30</b>	4064.317	4079.792	4061.893
<b>35</b>	3818.755	3852.698	3829.115
<b>40</b>	3522.563	3567.980	3518.700
<b>45</b>	3182.019	3202.951	3153.191
<b>50</b>	2743.046	2757.472	2740.419
<b>55</b>	2252.564	2230.250	2248.555
<b>60</b>	1693.375	1616.967	1703.231
<b>65</b>	1136.650	1049.784	1135.081
<b>70</b>	586.268	651.324	590.595
<b>75</b>	215.409	255.768	213.408
<b>80</b>	8.360	3.611	9.498
<b>85</b>	0.000	0.000	0.000
<b>90</b>	0.000	0.000	0.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1730.65	N.A.	14.50
0-30	3694.27	N.A.	31.00
0-40	6090.77	N.A.	51.10
0-60	10522.05	N.A.	88.30
0-80	11912.42	N.A.	100.00
0-90	11914.12	N.A.	100.00
10-90	11468.39	N.A.	96.30
20-40	4360.12	N.A.	36.60
20-50	6805.38	N.A.	57.10
40-70	5533.59	N.A.	46.40
60-80	1390.36	N.A.	11.70
70-80	288.06	N.A.	2.40
80-90	1.70	N.A.	0.00
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	11914.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	445.73
10-20	1284.92
20-30	1963.61
30-40	2396.5
40-50	2445.27
50-60	1986.01
60-70	1102.31
70-80	288.06
80-90	1.70
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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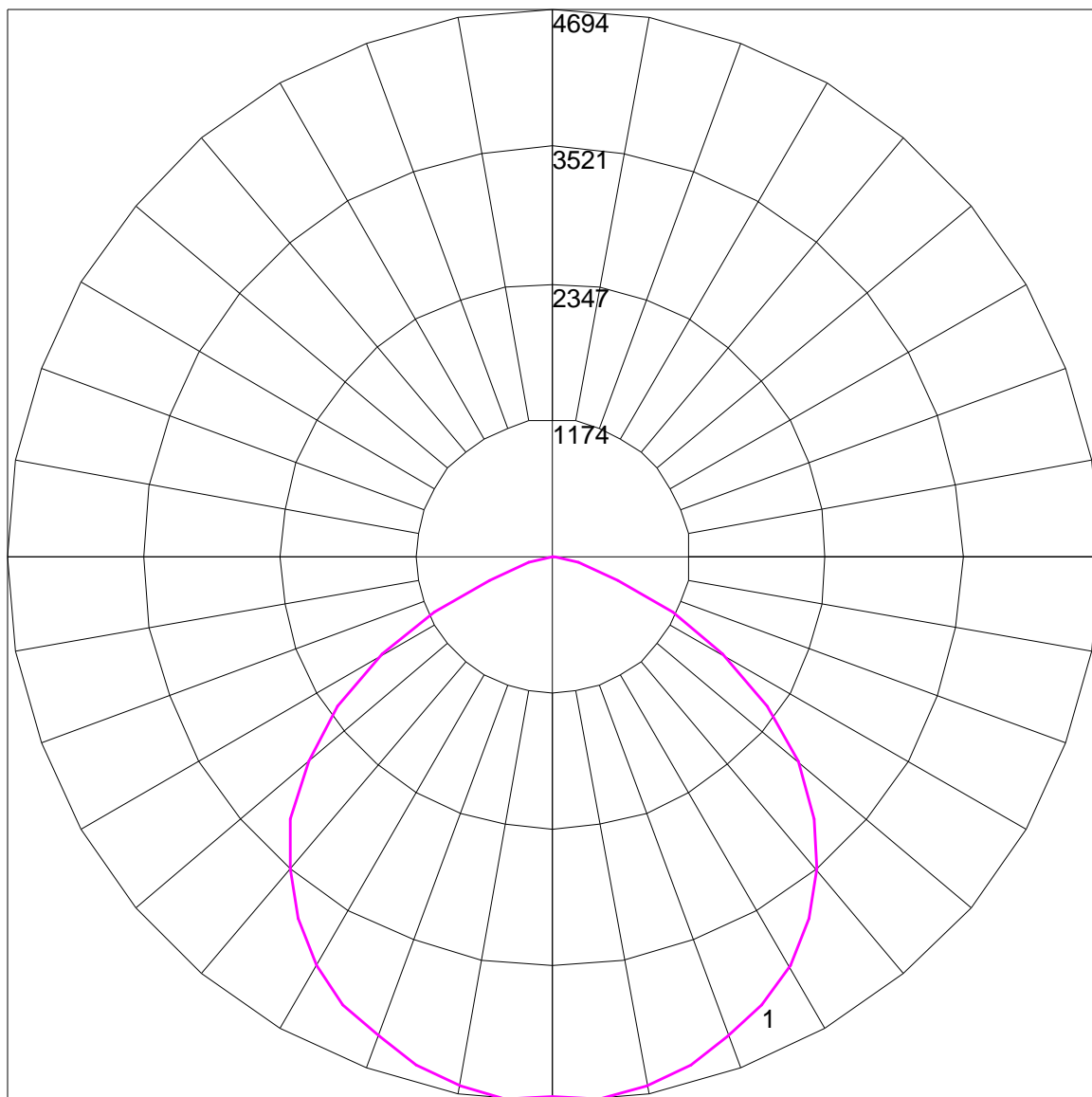
**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	104	101	98	100	97	95	96	94	92	93	91	89	87
2	102	94	88	83	99	92	87	82	89	84	80	86	82	79	83	80	77	75
3	93	84	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64
4	86	75	66	60	83	73	66	60	71	64	59	69	63	58	66	62	57	55
5	79	67	58	52	77	66	58	52	64	57	51	62	56	51	60	55	50	48
6	73	60	52	46	71	59	51	46	58	50	45	56	50	45	54	49	44	42
7	68	55	46	41	66	54	46	40	52	45	40	51	45	40	50	44	40	38
8	63	50	42	36	61	49	42	36	48	41	36	47	40	36	46	40	35	34
9	59	46	38	33	57	45	38	33	44	37	32	43	37	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	34	29	39	33	29	27

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POLAR GRAPH



Maximum Candela = 4694.14 Located At Horizontal Angle = 45, Vertical Angle = 10  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)