

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DHH1115GV-110L40KEX-MB.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST] SP-00011_22_M-110L

[TEST DATE] Mar 13 2014

[UPDATE] 12/11/2018

[MANUFAC] Spectrum Lighting

[LUMCAT] DHH1115GV-110L-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	10988
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	143
Total Luminaire Watts	77
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	46472	46778	46051
55	40557	40155	40484
65	27775	25652	27737
75	8595	10205	8515
85	0	0	0

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CANDELA TABULATION

	<u>0</u>	<u>45</u>	<u>90</u>
0	4296.338	4296.337	4296.337
5	4322.887	4304.017	4313.160
10	4267.530	4329.323	4290.180
15	4190.273	4193.340	4163.460
20	4046.363	4088.017	4113.510
25	3928.057	3920.753	3914.865
30	3748.448	3762.720	3746.213
35	3521.970	3553.275	3531.525
40	3248.798	3290.685	3245.235
45	2934.720	2954.025	2908.133
50	2529.863	2543.168	2527.440
55	2077.500	2056.920	2073.802
60	1561.770	1491.300	1570.860
65	1048.313	968.197	1046.865
70	540.705	600.705	544.695
75	198.667	235.890	196.822
80	7.710	3.330	8.760
85	0.000	0.000	0.000
90	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1596.15	N.A.	14.50
0-30	3407.16	N.A.	31.00
0-40	5617.41	N.A.	51.10
0-60	9704.3	N.A.	88.30
0-80	10986.61	N.A.	100.00
0-90	10988.18	N.A.	100.00
10-90	10577.09	N.A.	96.30
20-40	4021.26	N.A.	36.60
20-50	6276.49	N.A.	57.10
40-70	5103.53	N.A.	46.40
60-80	1282.31	N.A.	11.70
70-80	265.67	N.A.	2.40
80-90	1.57	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	10988.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	411.09
10-20	1185.06
20-30	1811.01
30-40	2210.25
40-50	2255.23
50-60	1831.67
60-70	1016.64
70-80	265.67
80-90	1.57
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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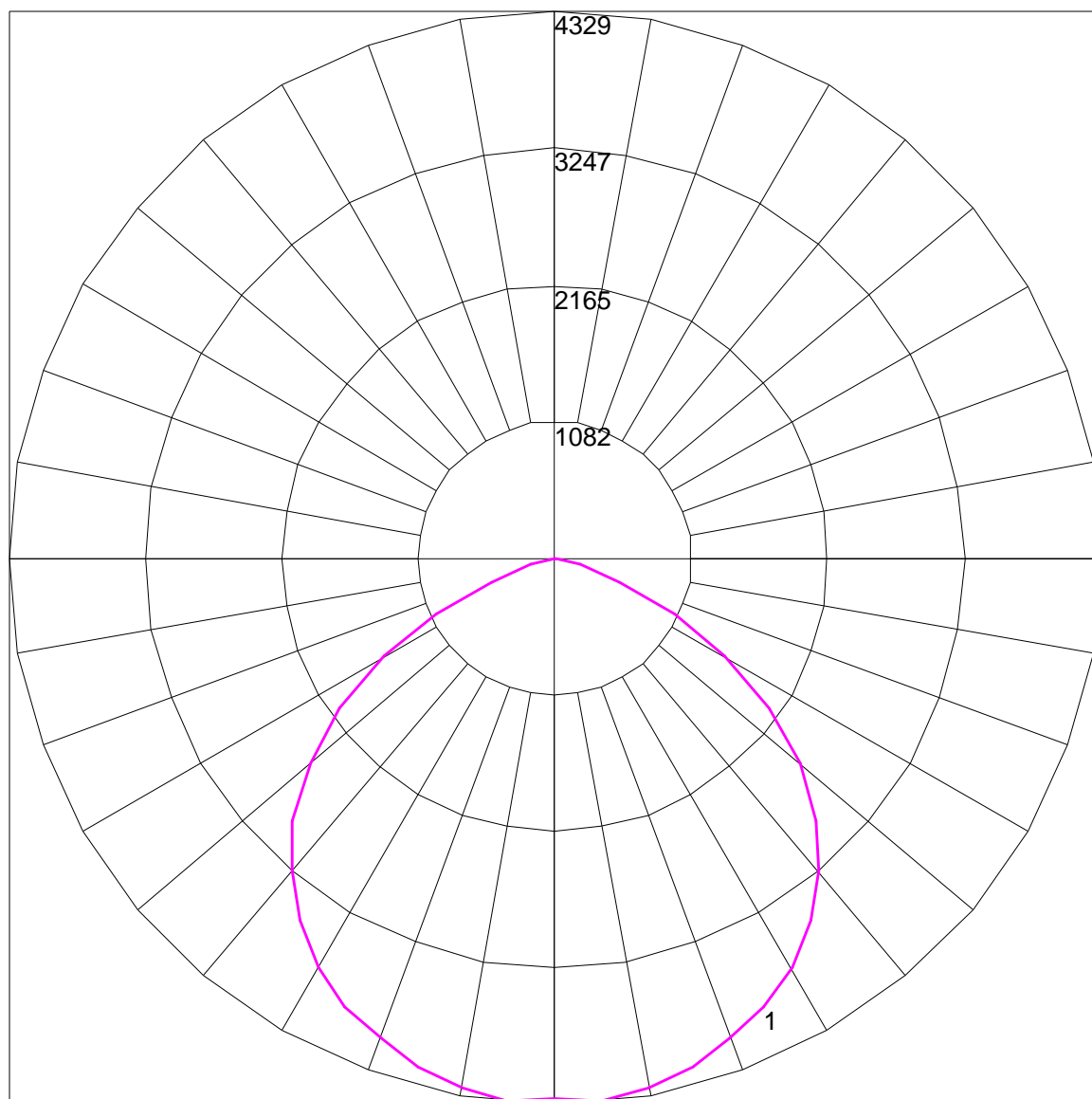
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 4329.323 Located At Horizontal Angle = 45, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180)