

Day-Brite



by  Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2DLG49L840-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]FO32080
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
[ISSUE DATE]11/15/2013
[MANUFACTURER]DAY-BRITE - CFI
[LUMEN CATEGORY]2DLG49L840-4-D-UNV-DIM
[LUMINAIRE]2X4 DUALED
[MORE]4-LP3.2 4000K BOARDS 1-54W DRIVERS 6.04K RESISTOR
[LAMP]LED. LUMINAIRE OUTPUT = 4936 LMS
[OTHER]ABSOLUTE TESTING IN ACCORDANCE WITH IES PROCEDURE LM79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4936
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	48.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.73 ft
Luminous Width (90-270)	1.90 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2504	2545	2580
55	2313	2391	2437
65	2004	2128	2146
75	1465	1626	1639
85	582	834	935

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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>
0.0	1802.5	1802.5	1802.5	1802.5	1802.5
2.5	1799.4	1797.9	1801.3	1800.0	1804.1
5.0	1793.4	1791.8	1795.6	1794.1	1799.6
7.5	1783.8	1781.7	1785.6	1785.1	1790.1
10.0	1770.0	1767.3	1771.2	1771.2	1774.9
12.5	1752.6	1749.1	1753.1	1752.7	1758.3
15.0	1731.2	1727.7	1731.6	1732.4	1733.8
17.5	1706.6	1702.9	1707.8	1706.8	1707.4
20.0	1675.3	1674.4	1678.8	1675.2	1680.3
22.5	1640.5	1641.4	1644.4	1643.6	1646.9
25.0	1602.7	1603.4	1608.8	1608.6	1610.5
27.5	1562.4	1562.1	1568.8	1568.8	1569.9
30.0	1518.5	1518.2	1522.2	1524.6	1527.6
32.5	1468.1	1468.7	1472.1	1477.1	1481.6
35.0	1414.4	1415.1	1421.8	1427.6	1430.0
37.5	1358.1	1358.2	1368.8	1374.9	1378.2
40.0	1298.7	1298.8	1311.4	1318.1	1323.4
42.5	1234.6	1236.6	1250.2	1258.8	1263.9
45.0	1166.7	1171.4	1185.9	1197.5	1202.1
47.5	1097.2	1103.1	1118.7	1132.3	1137.2
50.0	1025.2	1032.3	1049.8	1064.0	1068.4
52.5	950.7	959.0	978.1	991.8	996.7
55.0	874.4	883.2	903.8	917.7	921.3
57.5	796.8	805.7	827.7	841.0	844.7
60.0	717.7	728.2	750.8	763.0	765.2
62.5	637.6	650.0	672.3	683.1	682.8
65.0	558.1	571.5	592.8	598.9	597.7
67.5	478.8	492.8	513.2	512.9	511.8
70.0	400.0	415.7	433.5	430.1	429.5
72.5	323.2	341.0	354.0	351.4	351.9
75.0	249.9	269.0	277.3	278.2	279.5
77.5	181.6	201.5	207.0	211.1	213.1
80.0	120.6	138.3	145.3	150.5	152.6
82.5	70.3	82.6	91.4	96.4	98.8
85.0	33.4	41.9	47.9	51.5	53.7
87.5	10.9	13.9	16.0	18.6	21.6
90.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	659.12	N.A.	13.40
0-30	1399.45	N.A.	28.30
0-40	2288.63	N.A.	46.40
0-60	4005.92	N.A.	81.20
0-80	4875.86	N.A.	98.80
0-90	4936.35	N.A.	100.00
10-90	4765.81	N.A.	96.50
20-40	1629.52	N.A.	33.00
20-50	2542.61	N.A.	51.50
40-70	2295.91	N.A.	46.50
60-80	869.93	N.A.	17.60
70-80	291.32	N.A.	5.90
80-90	60.49	N.A.	1.20
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	4936.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	170.54
10-20	488.57
20-30	740.33
30-40	889.18
40-50	913.09
50-60	804.20
60-70	578.62
70-80	291.32
80-90	60.49
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

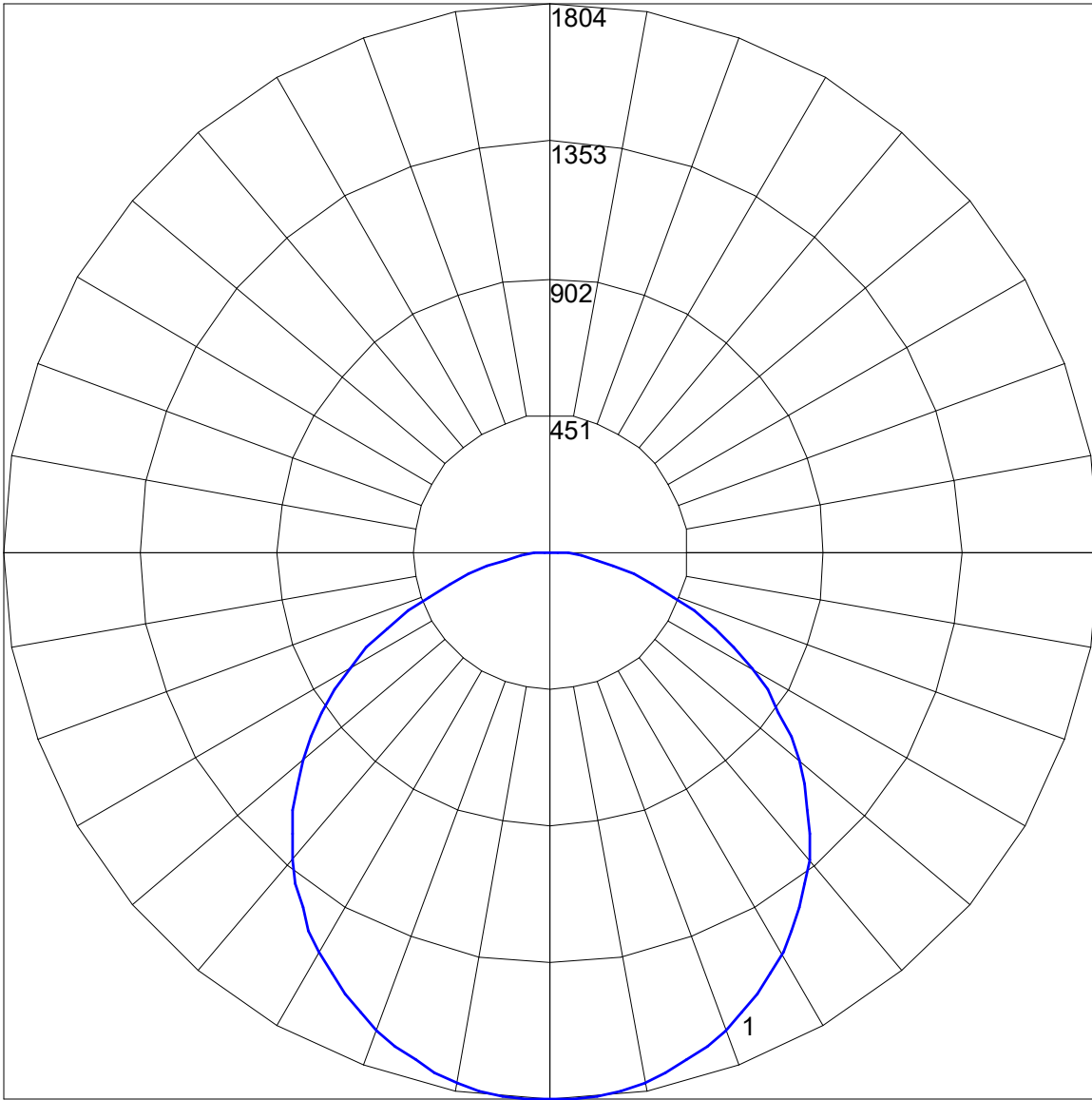
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	91	85	79	97	90	83	78	86	81	76	83	79	75	80	76	73	71
3	91	80	72	66	88	79	71	65	76	70	64	73	68	63	71	66	62	60
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	53	51
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	44
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	39
7	66	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

POLAR GRAPH



Maximum Candela = 1804.1 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)