

Day-Brite



by Signify

IES INDOOR REPORT PHOTOMETRIC FILENAME : 2DLG73L840-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]FO32078
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
[ISSUE DATE]11/15/2013
[MANUFACTURER]DAY-BRITE - CFI
[LUMEN CATEGORY]2DLG73L840-4-D-UNV-DIM
[LUMINAIRE]2X4 DUALED
[MORE]4-LP3.2 4000K BOARDS 2-54W DRIVERS 3.24K RESISTORS
[LAMP]LED. LUMINAIRE OUTPUT = 7157 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	7157
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	73.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
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	3629	3690	3745
55	3355	3464	3540
65	2905	3085	3119
75	2127	2373	2401
85	850	1240	1408

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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	2612.7	2612.7	2612.7	2612.7	2612.7
2.5	2607.8	2606.4	2610.7	2608.7	2615.6
5.0	2598.6	2597.4	2602.9	2599.9	2609.0
7.5	2584.4	2582.3	2588.1	2587.3	2595.4
10.0	2564.4	2561.4	2567.4	2567.5	2573.2
12.5	2539.2	2534.8	2540.8	2540.7	2549.0
15.0	2508.2	2503.8	2509.6	2511.4	2514.4
17.5	2472.2	2467.5	2475.4	2474.4	2476.2
20.0	2426.7	2426.0	2433.4	2428.8	2436.8
22.5	2375.6	2378.5	2383.8	2383.1	2388.9
25.0	2320.8	2323.7	2332.1	2332.2	2336.2
27.5	2262.4	2263.7	2274.0	2274.9	2277.4
30.0	2199.2	2199.8	2206.7	2211.1	2216.2
32.5	2126.0	2128.4	2134.7	2141.6	2149.8
35.0	2047.8	2050.5	2061.4	2070.2	2075.4
37.5	1965.8	1967.9	1984.1	1994.4	2000.1
40.0	1880.3	1881.4	1901.0	1911.0	1920.6
42.5	1789.1	1791.2	1812.2	1824.9	1835.1
45.0	1691.1	1697.1	1719.3	1736.8	1745.2
47.5	1589.1	1598.1	1621.2	1641.8	1650.9
50.0	1485.4	1495.0	1520.8	1542.1	1551.5
52.5	1378.6	1388.5	1416.9	1437.5	1447.8
55.0	1268.2	1278.8	1309.3	1330.1	1338.1
57.5	1155.0	1166.7	1199.1	1218.6	1226.4
60.0	1040.3	1053.8	1087.7	1105.4	1111.7
62.5	924.8	940.6	974.2	990.0	992.4
65.0	809.0	826.0	859.3	868.8	868.6
67.5	693.3	711.5	744.3	744.6	744.5
70.0	579.5	599.2	629.7	625.1	625.5
72.5	468.6	490.9	515.2	511.5	513.6
75.0	362.8	386.0	404.8	405.6	409.6
77.5	263.7	288.8	302.3	308.5	313.2
80.0	175.4	198.9	212.7	220.5	225.0
82.5	102.7	118.6	134.6	142.1	146.8
85.0	48.8	59.7	71.2	76.7	80.9
87.5	16.1	20.1	25.1	28.9	33.9
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	955.32	N.A.	13.30
0-30	2028.44	N.A.	28.30
0-40	3317.41	N.A.	46.40
0-60	5806.46	N.A.	81.10
0-80	7068.23	N.A.	98.80
0-90	7157.12	N.A.	100.00
10-90	6909.94	N.A.	96.50
20-40	2362.08	N.A.	33.00
20-50	3685.66	N.A.	51.50
40-70	3327.67	N.A.	46.50
60-80	1261.77	N.A.	17.60
70-80	423.15	N.A.	5.90
80-90	88.90	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	7157.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	247.19
10-20	708.14
20-30	1073.12
30-40	1288.96
40-50	1323.58
50-60	1165.47
60-70	838.61
70-80	423.15
80-90	88.90
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

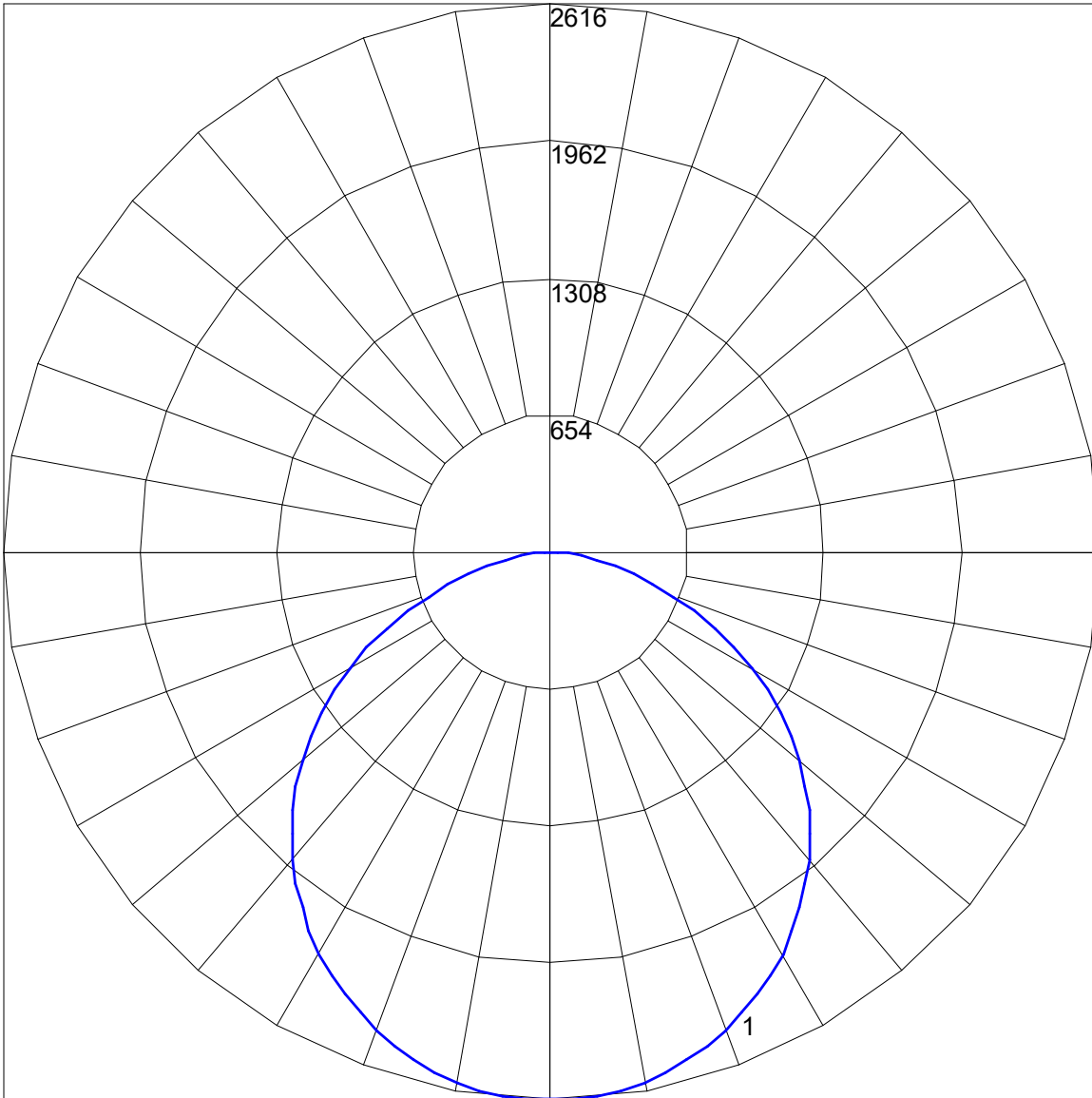
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85
2	99	91	85	79	97	90	83	78	86	81	76	83	78	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	60	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 = 2615.6 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)