

Day-Brite



by  Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : 2DLG58L840-4-D-UNV-DIM.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]FO32084
[TESTLAB]DAY-BRITE PHOTOMETRIC LABORATORY, TUPELO, MS. NVLAP CODE 200016-0
[ISSUE DATE]11/15/2013
[MANUFACTURER]DAY-BRITE - CFI
[LUMEN CATEGORY]2DLG58L840-4-D-UNV-DIM
[LUMINAIRE]2X4 DUALED
[MORE]4-LP3.2 4000K BOARDS 2-25W DRIVERS 2.05K RESISTORS
[LAMP]LED. LUMINAIRE OUTPUT = 5566 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	5566
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	57.4
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	2822	2868	2906
55	2609	2695	2746
65	2259	2400	2414
75	1649	1835	1853
85	656	949	1078

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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	2032.3	2032.3	2032.3	2032.3	2032.3
2.5	2028.3	2027.1	2030.9	2029.4	2034.1
5.0	2021.6	2020.3	2024.5	2023.1	2028.9
7.5	2010.8	2008.7	2013.2	2012.8	2018.2
10.0	1995.1	1992.4	1997.2	1997.2	2000.8
12.5	1975.5	1971.6	1976.6	1976.3	1982.2
15.0	1951.4	1947.6	1952.4	1953.5	1954.4
17.5	1923.0	1919.4	1925.6	1924.2	1925.1
20.0	1887.9	1887.1	1892.6	1889.2	1894.4
22.5	1848.7	1850.1	1854.1	1853.3	1856.8
25.0	1806.2	1807.1	1813.8	1813.9	1815.7
27.5	1761.1	1760.3	1768.5	1769.2	1769.9
30.0	1711.4	1710.9	1716.1	1719.4	1722.5
32.5	1654.4	1655.2	1659.9	1665.9	1670.2
35.0	1594.2	1594.8	1602.8	1610.2	1611.8
37.5	1530.4	1530.7	1542.7	1551.2	1553.6
40.0	1463.6	1463.9	1478.1	1487.0	1491.4
42.5	1391.8	1394.0	1409.2	1419.9	1424.1
45.0	1315.2	1320.8	1336.7	1351.1	1354.2
47.5	1235.8	1244.0	1260.8	1277.5	1281.3
50.0	1155.2	1164.2	1183.2	1200.1	1203.8
52.5	1072.1	1081.9	1102.9	1118.7	1122.9
55.0	986.1	996.7	1018.8	1035.0	1038.1
57.5	897.9	909.4	933.0	948.2	951.5
60.0	808.9	821.4	846.5	860.4	861.4
62.5	719.4	733.6	758.3	769.9	767.6
65.0	629.3	644.6	668.5	674.8	672.3
67.5	539.5	556.2	578.4	579.0	576.9
70.0	450.6	469.2	488.0	486.0	484.1
72.5	364.2	384.5	399.0	397.7	397.0
75.0	281.3	302.7	313.0	315.4	316.0
77.5	204.4	226.3	233.7	239.6	241.5
80.0	135.9	155.3	164.1	171.2	173.2
82.5	79.3	93.1	103.6	110.6	112.9
85.0	37.7	47.3	54.5	59.7	61.9
87.5	12.4	15.8	19.0	22.4	26.1
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	743.08	N.A.	13.30
0-30	1577.68	N.A.	28.30
0-40	2580.09	N.A.	46.40
0-60	4516.31	N.A.	81.10
0-80	5497.52	N.A.	98.80
0-90	5566.43	N.A.	100.00
10-90	5374.15	N.A.	96.50
20-40	1837.02	N.A.	33.00
20-50	2866.43	N.A.	51.50
40-70	2588.59	N.A.	46.50
60-80	981.21	N.A.	17.60
70-80	328.83	N.A.	5.90
80-90	68.91	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	5566.43	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	192.28
10-20	550.80
20-30	834.60
30-40	1002.42
40-50	1029.41
50-60	906.80
60-70	652.38
70-80	328.83
80-90	68.91
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

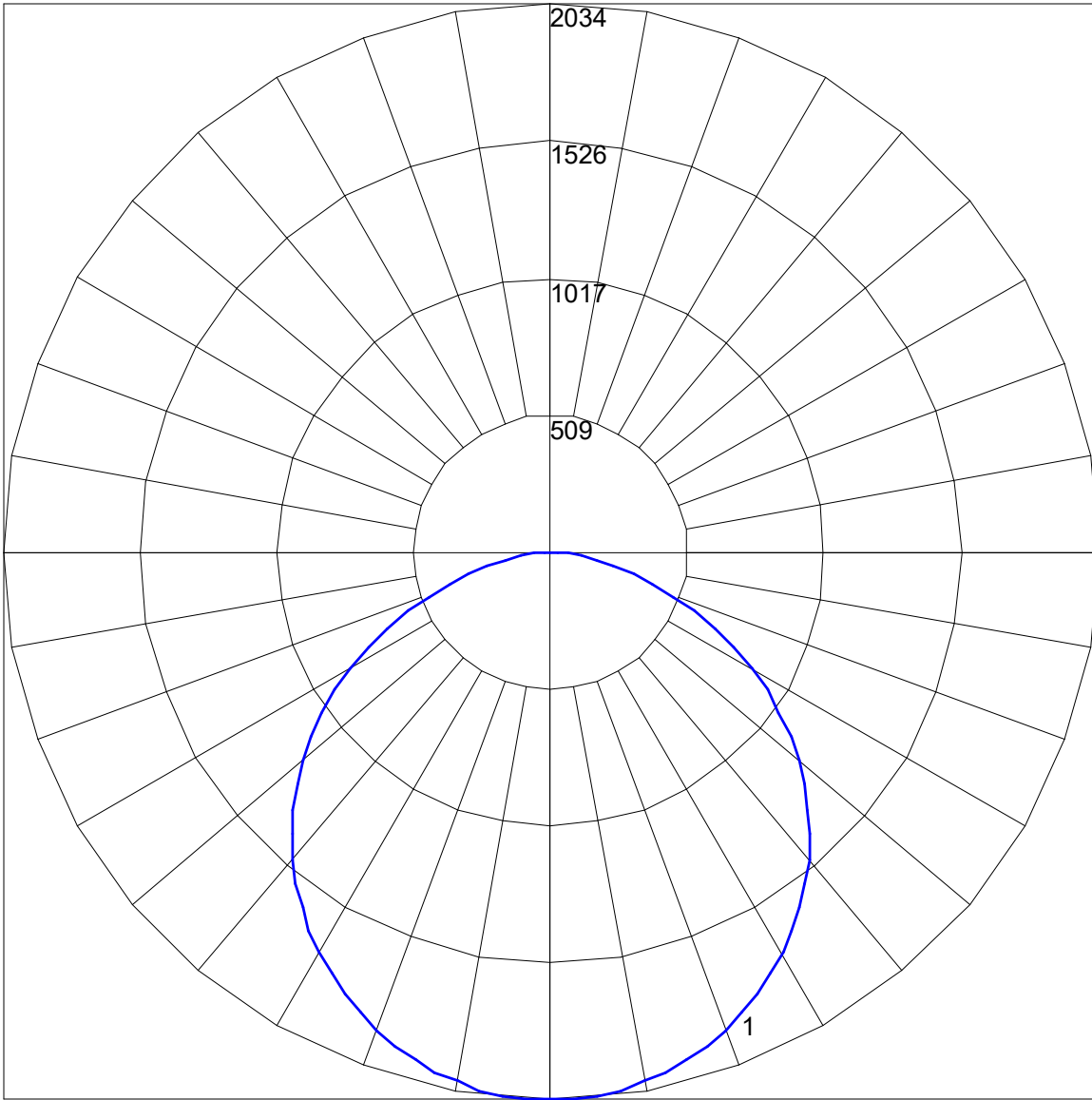
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	105	100	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	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	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 = 2034.1 Located At Horizontal Angle = 90, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)