

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W480L840-UNV-DIM-LFA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38411.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 9/19/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] V3W480L840-UNV-DIM-LFA
[LUMINAIRE] 4' VAPORLUME
[MORE] 2-LINEP 2.40L6 4000K BOARDS 75W DRIVER @1593mA LUMIEO LOW PROFILE FROSTED LENS
[LAMP] LED. LUMINAIRE OUTPUT = 6766 LUMENS
[TESTDATE] 9/19/17
[_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6766
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	56.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.88 ft
Luminous Width (90-270)	0.44 ft
Luminous Height	0.10 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12228	11147	10982
55	11629	10275	10216
65	10662	9208	9260
75	8257	7186	7694
85	4740	5288	5910

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3
2.5	2143.2	2168.4	2183.3	2195.4	2190.5	2195.4	2183.3	2168.4	2143.2	2168.4
5.0	2135.8	2160.1	2176.6	2190.6	2184.4	2190.6	2176.6	2160.1	2135.8	2160.1
7.5	2122.9	2148.3	2164.4	2178.7	2174.8	2178.7	2164.4	2148.3	2122.9	2148.3
10.0	2105.5	2131.3	2147.6	2162.1	2160.0	2162.1	2147.6	2131.3	2105.5	2131.3
12.5	2082.1	2107.1	2127.4	2143.0	2140.1	2143.0	2127.4	2107.1	2082.1	2107.1
15.0	2054.7	2079.5	2100.6	2117.8	2114.0	2117.8	2100.6	2079.5	2054.7	2079.5
17.5	2022.9	2047.4	2069.0	2086.8	2086.2	2086.8	2069.0	2047.4	2022.9	2047.4
20.0	1985.0	2009.5	2034.4	2052.6	2051.5	2052.6	2034.4	2009.5	1985.0	2009.5
22.5	1944.3	1970.5	1993.4	2012.5	2012.5	2012.5	1993.4	1970.5	1944.3	1970.5
25.0	1898.8	1925.0	1948.3	1968.6	1969.5	1968.6	1948.3	1925.0	1898.8	1925.0
27.5	1849.9	1875.6	1900.0	1920.7	1922.1	1920.7	1900.0	1875.6	1849.9	1875.6
30.0	1796.4	1823.3	1851.8	1871.5	1870.7	1871.5	1851.8	1823.3	1796.4	1823.3
32.5	1738.5	1767.6	1797.4	1818.3	1821.6	1818.3	1797.4	1767.6	1738.5	1767.6
35.0	1679.4	1709.3	1739.4	1762.2	1765.0	1762.2	1739.4	1709.3	1679.4	1709.3
37.5	1616.2	1645.7	1677.2	1702.4	1705.2	1702.4	1677.2	1645.7	1616.2	1645.7
40.0	1549.2	1579.7	1614.2	1638.0	1643.7	1638.0	1614.2	1579.7	1549.2	1579.7
42.5	1479.8	1509.9	1547.0	1572.9	1579.4	1572.9	1547.0	1509.9	1479.8	1509.9
45.0	1408.0	1438.9	1475.2	1505.0	1513.0	1505.0	1475.2	1438.9	1408.0	1438.9
47.5	1333.2	1364.0	1403.6	1435.3	1444.3	1435.3	1403.6	1364.0	1333.2	1364.0
50.0	1257.0	1286.0	1328.2	1364.5	1374.6	1364.5	1328.2	1286.0	1257.0	1286.0
52.5	1178.3	1207.3	1252.8	1291.6	1303.2	1291.6	1252.8	1207.3	1178.3	1207.3
55.0	1097.9	1128.0	1174.7	1217.7	1232.2	1217.7	1174.7	1128.0	1097.9	1128.0
57.5	1014.3	1045.1	1096.5	1142.2	1157.7	1142.2	1096.5	1045.1	1014.3	1045.1
60.0	929.1	961.6	1017.0	1064.9	1082.6	1064.9	1017.0	961.6	929.1	961.6
62.5	842.7	875.9	936.8	987.9	1004.0	987.9	936.8	875.9	842.7	875.9
65.0	754.9	790.3	854.8	908.4	924.1	908.4	854.8	790.3	754.9	790.3
67.5	664.8	704.5	773.2	827.6	842.8	827.6	773.2	704.5	664.8	704.5
70.0	557.0	618.2	690.8	746.8	762.7	746.8	690.8	618.2	557.0	618.2
72.5	454.6	499.3	606.8	664.3	681.2	664.3	606.8	499.3	454.6	499.3
75.0	371.9	421.3	492.4	566.5	584.3	566.5	492.4	421.3	371.9	421.3
77.5	291.5	345.7	418.2	472.1	507.0	472.1	418.2	345.7	291.5	345.7
80.0	215.2	273.5	347.0	401.3	417.0	401.3	347.0	273.5	215.2	273.5
82.5	145.0	206.7	281.0	336.1	351.2	336.1	281.0	206.7	145.0	206.7
85.0	84.9	148.1	222.8	278.4	294.2	278.4	222.8	148.1	84.9	148.1
87.5	41.3	101.9	176.4	232.4	250.1	232.4	176.4	101.9	41.3	101.9
90.0	22.1	74.0	146.6	201.6	219.3	201.6	146.6	74.0	22.1	74.0
92.5	17.4	58.5	127.7	180.9	198.1	180.9	127.7	58.5	17.4	58.5
95.0	13.7	45.1	111.5	163.7	180.6	163.7	111.5	45.1	13.7	45.1
97.5	10.7	33.6	96.3	147.4	163.5	147.4	96.3	33.6	10.7	33.6
100.0	8.3	23.9	81.9	131.3	146.4	131.3	81.9	23.9	8.3	23.9
102.5	6.4	16.1	68.6	115.6	129.9	115.6	68.6	16.1	6.4	16.1
105.0	5.2	10.4	56.1	100.3	114.1	100.3	56.1	10.4	5.2	10.4
107.5	4.0	6.3	44.7	85.8	98.8	85.8	44.7	6.3	4.0	6.3
110.0	3.1	4.0	34.0	71.5	83.8	71.5	34.0	4.0	3.1	4.0
112.5	2.2	2.7	24.6	58.2	69.5	58.2	24.6	2.7	2.2	2.7
115.0	1.4	1.8	16.6	45.5	55.8	45.5	16.6	1.8	1.4	1.8
117.5	0.6	1.0	9.7	34.0	43.1	34.0	9.7	1.0	0.6	1.0
120.0	0.0	0.3	4.6	23.9	31.5	23.9	4.6	0.3	0.0	0.3
122.5	0.0	0.0	1.2	15.3	21.6	15.3	1.2	0.0	0.0	0.0
125.0	0.0	0.0	0.0	8.3	13.4	8.3	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	3.3	7.0	3.3	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.3	2.7	0.3	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

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135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3	2181.3
2.5	2183.3	2195.4	2190.5	2195.4	2183.3	2168.4	2143.2
5.0	2176.6	2190.6	2184.4	2190.6	2176.6	2160.1	2135.8
7.5	2164.4	2178.7	2174.8	2178.7	2164.4	2148.3	2122.9
10.0	2147.6	2162.1	2160.0	2162.1	2147.6	2131.3	2105.5
12.5	2127.4	2143.0	2140.1	2143.0	2127.4	2107.1	2082.1
15.0	2100.6	2117.8	2114.0	2117.8	2100.6	2079.5	2054.7
17.5	2069.0	2086.8	2086.2	2086.8	2069.0	2047.4	2022.9
20.0	2034.4	2052.6	2051.5	2052.6	2034.4	2009.5	1985.0
22.5	1993.4	2012.5	2012.5	2012.5	1993.4	1970.5	1944.3
25.0	1948.3	1968.6	1969.5	1968.6	1948.3	1925.0	1898.8
27.5	1900.0	1920.7	1922.1	1920.7	1900.0	1875.6	1849.9
30.0	1851.8	1871.5	1870.7	1871.5	1851.8	1823.3	1796.4
32.5	1797.4	1818.3	1821.6	1818.3	1797.4	1767.6	1738.5
35.0	1739.4	1762.2	1765.0	1762.2	1739.4	1709.3	1679.4
37.5	1677.2	1702.4	1705.2	1702.4	1677.2	1645.7	1616.2
40.0	1614.2	1638.0	1643.7	1638.0	1614.2	1579.7	1549.2
42.5	1547.0	1572.9	1579.4	1572.9	1547.0	1509.9	1479.8
45.0	1475.2	1505.0	1513.0	1505.0	1475.2	1438.9	1408.0
47.5	1403.6	1435.3	1444.3	1435.3	1403.6	1364.0	1333.2
50.0	1328.2	1364.5	1374.6	1364.5	1328.2	1286.0	1257.0
52.5	1252.8	1291.6	1303.2	1291.6	1252.8	1207.3	1178.3
55.0	1174.7	1217.7	1232.2	1217.7	1174.7	1128.0	1097.9
57.5	1096.5	1142.2	1157.7	1142.2	1096.5	1045.1	1014.3
60.0	1017.0	1064.9	1082.6	1064.9	1017.0	961.6	929.1
62.5	936.8	987.9	1004.0	987.9	936.8	875.9	842.7
65.0	854.8	908.4	924.1	908.4	854.8	790.3	754.9
67.5	773.2	827.6	842.8	827.6	773.2	704.5	664.8
70.0	690.8	746.8	762.7	746.8	690.8	618.2	557.0
72.5	606.8	664.3	681.2	664.3	606.8	499.3	454.6
75.0	492.4	566.5	584.3	566.5	492.4	421.3	371.9
77.5	418.2	472.1	507.0	472.1	418.2	345.7	291.5
80.0	347.0	401.3	417.0	401.3	347.0	273.5	215.2

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CANDELA TABULATION - (Cont.)

82.5	281.0	336.1	351.2	336.1	281.0	206.7	145.0
85.0	222.8	278.4	294.2	278.4	222.8	148.1	84.9
87.5	176.4	232.4	250.1	232.4	176.4	101.9	41.3
90.0	146.6	201.6	219.3	201.6	146.6	74.0	22.1
92.5	127.7	180.9	198.1	180.9	127.7	58.5	17.4
95.0	111.5	163.7	180.6	163.7	111.5	45.1	13.7
97.5	96.3	147.4	163.5	147.4	96.3	33.6	10.7
100.0	81.9	131.3	146.4	131.3	81.9	23.9	8.3
102.5	68.6	115.6	129.9	115.6	68.6	16.1	6.4
105.0	56.1	100.3	114.1	100.3	56.1	10.4	5.2
107.5	44.7	85.8	98.8	85.8	44.7	6.3	4.0
110.0	34.0	71.5	83.8	71.5	34.0	4.0	3.1
112.5	24.6	58.2	69.5	58.2	24.6	2.7	2.2
115.0	16.6	45.5	55.8	45.5	16.6	1.8	1.4
117.5	9.7	34.0	43.1	34.0	9.7	1.0	0.6
120.0	4.6	23.9	31.5	23.9	4.6	0.3	0.0
122.5	1.2	15.3	21.6	15.3	1.2	0.0	0.0
125.0	0.0	8.3	13.4	8.3	0.0	0.0	0.0
127.5	0.0	3.3	7.0	3.3	0.0	0.0	0.0
130.0	0.0	0.3	2.7	0.3	0.0	0.0	0.0
132.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	797.78	N.A.	11.80
0-30	1693.83	N.A.	25.00
0-40	2777.96	N.A.	41.10
0-60	4959.04	N.A.	73.30
0-80	6322.96	N.A.	93.50
0-90	6561.88	N.A.	97.00
10-90	6355.47	N.A.	93.90
20-40	1980.19	N.A.	29.30
20-50	3114.27	N.A.	46.00
40-70	3020.13	N.A.	44.60
60-80	1363.92	N.A.	20.20
70-80	524.87	N.A.	7.80
80-90	238.91	N.A.	3.50
90-110	175.77	N.A.	2.60
90-120	199.47	N.A.	2.90
90-130	203.61	N.A.	3.00
90-150	203.65	N.A.	3.00
90-180	203.65	N.A.	3.00
110-180	27.88	N.A.	0.40
0-180	6765.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.41
10-20	591.37
20-30	896.05
30-40	1084.13
40-50	1134.09
50-60	1046.99
60-70	839.05
70-80	524.87
80-90	238.91
90-100	115.00
100-110	60.77
110-120	23.69
120-130	4.14
130-140	0.05
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

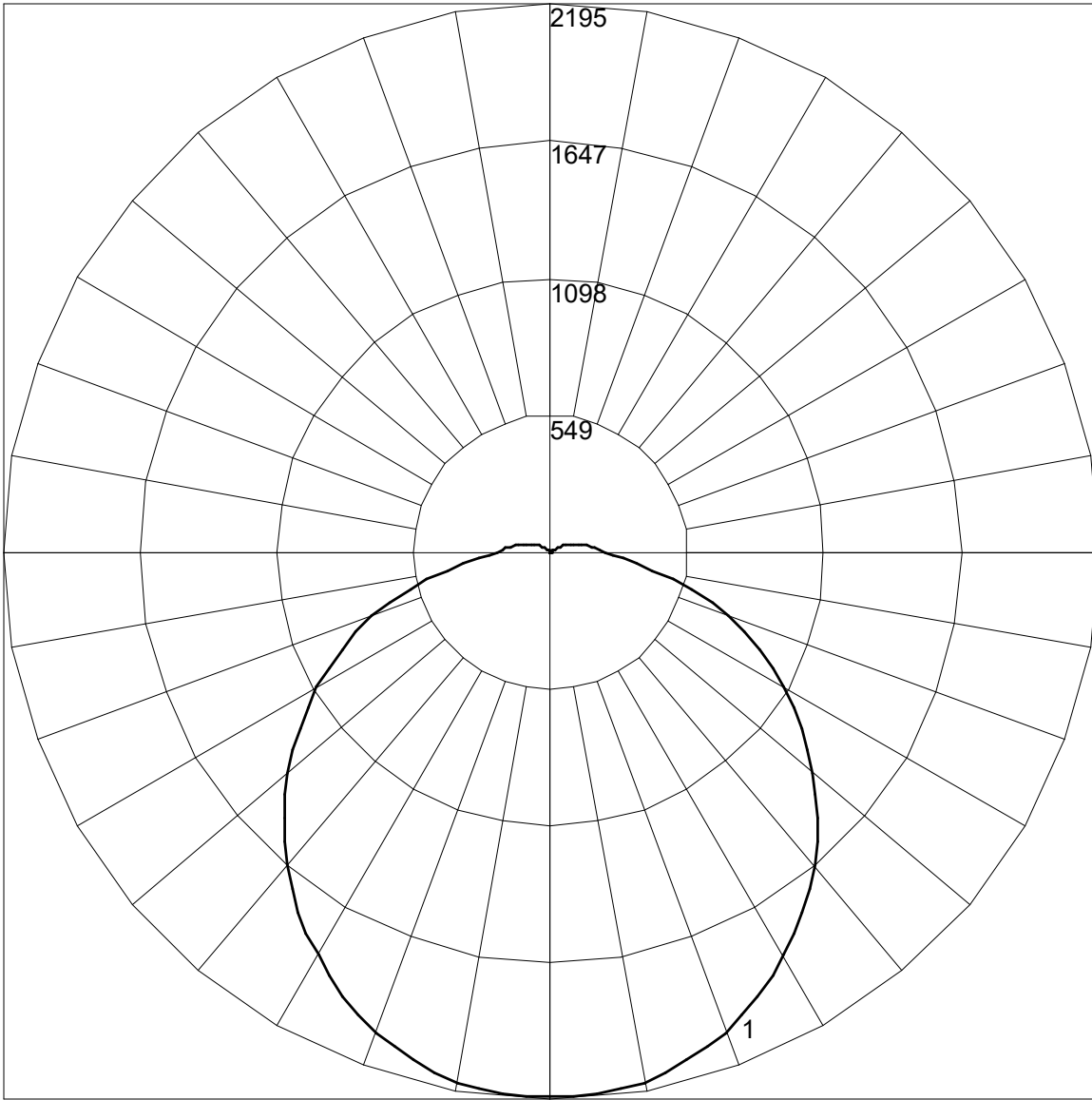
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	102	97	93	104	99	95	91	95	91	88	90	87	85	86	84	82	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	75	71	68	65
3	88	77	69	62	85	75	68	61	72	65	60	69	63	58	66	61	57	55
4	81	68	59	52	78	67	58	52	64	57	51	61	55	50	59	53	49	46
5	74	61	52	45	72	60	51	44	57	50	44	55	48	43	53	47	42	40
6	68	55	46	39	66	54	45	39	51	44	38	49	43	38	48	42	37	35
7	63	50	41	34	61	49	40	34	47	39	34	45	38	33	43	37	33	31
8	59	45	37	31	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	41	33	27	39	32	27	38	31	27	37	31	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22

POLAR GRAPH



Maximum Candela = 2195.4 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)