

Day-Brite



by Signify

IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38426.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 9/19/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] V3W480L840-UNV-DIM-WHP
[LUMINAIRE] 4' VAPORLUME
[MORE] 2-LINEP 2.40L6 4000K BOARDS 75W DRIVER @1593mA PRISMATIC ACRYLIC LENS WIDE OPTICS
[LAMP] LED. LUMINAIRE OUTPUT = 6874 LUMENS
[TEST DATE] 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	6874
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	56.2
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	3.40
Spacing Criterion (Diagonal)	2.96
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.88 ft
Luminous Width (90-270)	0.44 ft
Luminous Height	0.15 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3969	5827	9129
55	3921	10380	17725
65	3975	17956	16972
75	5141	17577	14497
85	4852	13603	11650

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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	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5	602.1	603.2	608.6	612.8	612.8	612.8	608.6	603.2	602.1	603.2
5.0	601.0	603.1	610.7	617.6	618.3	617.6	610.7	603.1	601.0	603.1
7.5	599.3	602.7	614.3	625.9	629.2	625.9	614.3	602.7	599.3	602.7
10.0	596.7	602.0	619.7	638.9	645.7	638.9	619.7	602.0	596.7	602.0
12.5	593.6	600.9	627.2	657.0	666.6	657.0	627.2	600.9	593.6	600.9
15.0	589.8	599.7	637.1	677.2	689.4	677.2	637.1	599.7	589.8	599.7
17.5	585.3	598.1	648.3	698.1	712.0	698.1	648.3	598.1	585.3	598.1
20.0	579.9	596.5	660.6	718.2	731.8	718.2	660.6	596.5	579.9	596.5
22.5	573.7	594.8	673.2	735.1	749.4	735.1	673.2	594.8	573.7	594.8
25.0	566.5	593.1	685.2	751.1	768.9	751.1	685.2	593.1	566.5	593.1
27.5	558.0	591.7	697.5	770.0	794.2	770.0	697.5	591.7	558.0	591.7
30.0	548.1	589.3	710.1	797.0	831.0	797.0	710.1	589.3	548.1	589.3
32.5	537.2	586.3	724.8	833.6	878.3	833.6	724.8	586.3	537.2	586.3
35.0	525.1	581.8	741.6	873.3	924.5	873.3	741.6	581.8	525.1	581.8
37.5	512.0	576.8	760.9	912.8	969.6	912.8	760.9	576.8	512.0	576.8
40.0	497.5	571.2	780.9	955.2	1028.5	955.2	780.9	571.2	497.5	571.2
42.5	481.0	563.8	802.4	1022.1	1135.7	1022.1	802.4	563.8	481.0	563.8
45.0	462.8	556.4	829.7	1141.0	1374.2	1141.0	829.7	556.4	462.8	556.4
47.5	443.1	548.3	878.4	1389.1	1640.3	1389.1	878.4	548.3	443.1	548.3
50.0	422.1	539.3	963.1	1651.8	2022.0	1651.8	963.1	539.3	422.1	539.3
52.5	399.9	530.4	1111.0	2018.1	2297.7	2018.1	1111.0	530.4	399.9	530.4
55.0	376.7	525.1	1307.5	2238.1	2399.8	2238.1	1307.5	525.1	376.7	525.1
57.5	353.5	527.3	1565.9	2334.7	2383.8	2334.7	1565.9	527.3	353.5	527.3
60.0	330.8	544.8	1746.7	2247.4	2277.2	2247.4	1746.7	544.8	330.8	544.8
62.5	309.1	611.2	1871.3	2197.5	2156.1	2197.5	1871.3	611.2	309.1	611.2
65.0	288.8	760.2	1898.1	1983.0	1971.1	1983.0	1898.1	760.2	288.8	760.2
67.5	270.4	950.1	1860.5	1891.2	1896.1	1891.2	1860.5	950.1	270.4	950.1
70.0	255.4	1102.5	1763.4	1751.7	1692.0	1751.7	1763.4	1102.5	255.4	1102.5
72.5	247.2	1181.5	1619.9	1518.1	1492.8	1518.1	1619.9	1181.5	247.2	1181.5
75.0	241.7	1195.5	1445.6	1370.3	1353.5	1370.3	1445.6	1195.5	241.7	1195.5
77.5	223.5	1174.7	1272.4	1190.8	1166.9	1190.8	1272.4	1174.7	223.5	1174.7
80.0	185.8	1068.8	1082.9	1010.7	984.2	1010.7	1082.9	1068.8	185.8	1068.8
82.5	139.8	931.6	912.1	870.4	870.8	870.4	912.1	931.6	139.8	931.6
85.0	96.8	762.1	765.6	776.3	789.3	776.3	765.6	762.1	96.8	762.1
87.5	60.2	576.8	638.9	641.5	633.4	641.5	638.9	576.8	60.2	576.8
90.0	33.5	443.2	513.8	523.4	540.7	523.4	513.8	443.2	33.5	443.2
92.5	26.3	340.2	400.7	444.4	450.4	444.4	400.7	340.2	26.3	340.2
95.0	21.5	232.1	301.4	334.4	358.1	334.4	301.4	232.1	21.5	232.1
97.5	17.6	124.9	216.6	258.3	287.3	258.3	216.6	124.9	17.6	124.9
100.0	14.6	73.1	178.8	234.3	250.6	234.3	178.8	73.1	14.6	73.1
102.5	12.1	52.5	162.0	219.9	234.3	219.9	162.0	52.5	12.1	52.5
105.0	10.0	41.3	144.8	197.6	211.3	197.6	144.8	41.3	10.0	41.3
107.5	8.2	32.9	123.5	172.3	185.4	172.3	123.5	32.9	8.2	32.9
110.0	6.8	23.4	102.8	149.5	161.2	149.5	102.8	23.4	6.8	23.4
112.5	5.7	13.7	84.7	129.4	140.4	129.4	84.7	13.7	5.7	13.7
115.0	4.7	7.4	68.6	112.6	123.5	112.6	68.6	7.4	4.7	7.4
117.5	3.5	5.8	52.5	96.1	106.9	96.1	52.5	5.8	3.5	5.8
120.0	2.8	4.8	40.0	82.8	93.7	82.8	40.0	4.8	2.8	4.8
122.5	2.1	3.6	30.2	70.3	81.8	70.3	30.2	3.6	2.1	3.6
125.0	1.5	2.8	21.0	60.3	71.3	60.3	21.0	2.8	1.5	2.8
127.5	1.1	2.0	13.0	45.1	57.9	45.1	13.0	2.0	1.1	2.0
130.0	0.5	1.4	5.0	35.1	44.3	35.1	5.0	1.4	0.5	1.4
132.5	0.0	0.7	2.0	25.0	34.3	25.0	2.0	0.7	0.0	0.7

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135.0	0.0	0.1	0.9	14.5	23.7	14.5	0.9	0.1	0.0	0.1
137.5	0.0	0.0	0.2	4.2	11.6	4.2	0.2	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.2	3.4	0.2	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.1	0.0	0.1	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	607.3	607.3	607.3	607.3	607.3	607.3	607.3
2.5	608.6	612.8	612.8	612.8	608.6	603.2	602.1
5.0	610.7	617.6	618.3	617.6	610.7	603.1	601.0
7.5	614.3	625.9	629.2	625.9	614.3	602.7	599.3
10.0	619.7	638.9	645.7	638.9	619.7	602.0	596.7
12.5	627.2	657.0	666.6	657.0	627.2	600.9	593.6
15.0	637.1	677.2	689.4	677.2	637.1	599.7	589.8
17.5	648.3	698.1	712.0	698.1	648.3	598.1	585.3
20.0	660.6	718.2	731.8	718.2	660.6	596.5	579.9
22.5	673.2	735.1	749.4	735.1	673.2	594.8	573.7
25.0	685.2	751.1	768.9	751.1	685.2	593.1	566.5
27.5	697.5	770.0	794.2	770.0	697.5	591.7	558.0
30.0	710.1	797.0	831.0	797.0	710.1	589.3	548.1
32.5	724.8	833.6	878.3	833.6	724.8	586.3	537.2
35.0	741.6	873.3	924.5	873.3	741.6	581.8	525.1
37.5	760.9	912.8	969.6	912.8	760.9	576.8	512.0
40.0	780.9	955.2	1028.5	955.2	780.9	571.2	497.5
42.5	802.4	1022.1	1135.7	1022.1	802.4	563.8	481.0
45.0	829.7	1141.0	1374.2	1141.0	829.7	556.4	462.8
47.5	878.4	1389.1	1640.3	1389.1	878.4	548.3	443.1
50.0	963.1	1651.8	2022.0	1651.8	963.1	539.3	422.1
52.5	1111.0	2018.1	2297.7	2018.1	1111.0	530.4	399.9
55.0	1307.5	2238.1	2399.8	2238.1	1307.5	525.1	376.7
57.5	1565.9	2334.7	2383.8	2334.7	1565.9	527.3	353.5
60.0	1746.7	2247.4	2277.2	2247.4	1746.7	544.8	330.8
62.5	1871.3	2197.5	2156.1	2197.5	1871.3	611.2	309.1
65.0	1898.1	1983.0	1971.1	1983.0	1898.1	760.2	288.8
67.5	1860.5	1891.2	1896.1	1891.2	1860.5	950.1	270.4
70.0	1763.4	1751.7	1692.0	1751.7	1763.4	1102.5	255.4
72.5	1619.9	1518.1	1492.8	1518.1	1619.9	1181.5	247.2
75.0	1445.6	1370.3	1353.5	1370.3	1445.6	1195.5	241.7
77.5	1272.4	1190.8	1166.9	1190.8	1272.4	1174.7	223.5
80.0	1082.9	1010.7	984.2	1010.7	1082.9	1068.8	185.8

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82.5	912.1	870.4	870.8	870.4	912.1	931.6	139.8
85.0	765.6	776.3	789.3	776.3	765.6	762.1	96.8
87.5	638.9	641.5	633.4	641.5	638.9	576.8	60.2
90.0	513.8	523.4	540.7	523.4	513.8	443.2	33.5
92.5	400.7	444.4	450.4	444.4	400.7	340.2	26.3
95.0	301.4	334.4	358.1	334.4	301.4	232.1	21.5
97.5	216.6	258.3	287.3	258.3	216.6	124.9	17.6
100.0	178.8	234.3	250.6	234.3	178.8	73.1	14.6
102.5	162.0	219.9	234.3	219.9	162.0	52.5	12.1
105.0	144.8	197.6	211.3	197.6	144.8	41.3	10.0
107.5	123.5	172.3	185.4	172.3	123.5	32.9	8.2
110.0	102.8	149.5	161.2	149.5	102.8	23.4	6.8
112.5	84.7	129.4	140.4	129.4	84.7	13.7	5.7
115.0	68.6	112.6	123.5	112.6	68.6	7.4	4.7
117.5	52.5	96.1	106.9	96.1	52.5	5.8	3.5
120.0	40.0	82.8	93.7	82.8	40.0	4.8	2.8
122.5	30.2	70.3	81.8	70.3	30.2	3.6	2.1
125.0	21.0	60.3	71.3	60.3	21.0	2.8	1.5
127.5	13.0	45.1	57.9	45.1	13.0	2.0	1.1
130.0	5.0	35.1	44.3	35.1	5.0	1.4	0.5
132.5	2.0	25.0	34.3	25.0	2.0	0.7	0.0
135.0	0.9	14.5	23.7	14.5	0.9	0.1	0.0
137.5	0.2	4.2	11.6	4.2	0.2	0.0	0.0
140.0	0.0	0.2	3.4	0.2	0.0	0.0	0.0
142.5	0.0	0.1	0.0	0.1	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	240.16	N.A.	3.50
0-30	553.26	N.A.	8.00
0-40	1013.23	N.A.	14.70
0-60	2906.83	N.A.	42.30
0-80	5599.48	N.A.	81.50
0-90	6344.01	N.A.	92.30
10-90	6285.44	N.A.	91.40
20-40	773.07	N.A.	11.20
20-50	1464.96	N.A.	21.30
40-70	3331.63	N.A.	48.50
60-80	2692.64	N.A.	39.20
70-80	1254.61	N.A.	18.30
80-90	744.54	N.A.	10.80
90-110	432.55	N.A.	6.30
90-120	496.79	N.A.	7.20
90-130	523.73	N.A.	7.60
90-150	529.52	N.A.	7.70
90-180	529.52	N.A.	7.70
110-180	96.98	N.A.	1.40
0-180	6873.54	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.57
10-20	181.58
20-30	313.10
30-40	459.97
40-50	691.89
50-60	1201.72
60-70	1438.03
70-80	1254.61
80-90	744.54
90-100	302.26
100-110	130.29
110-120	64.25
120-130	26.93
130-140	5.75
140-150	0.04
150-160	0.00
160-170	0.00
170-180	0.00

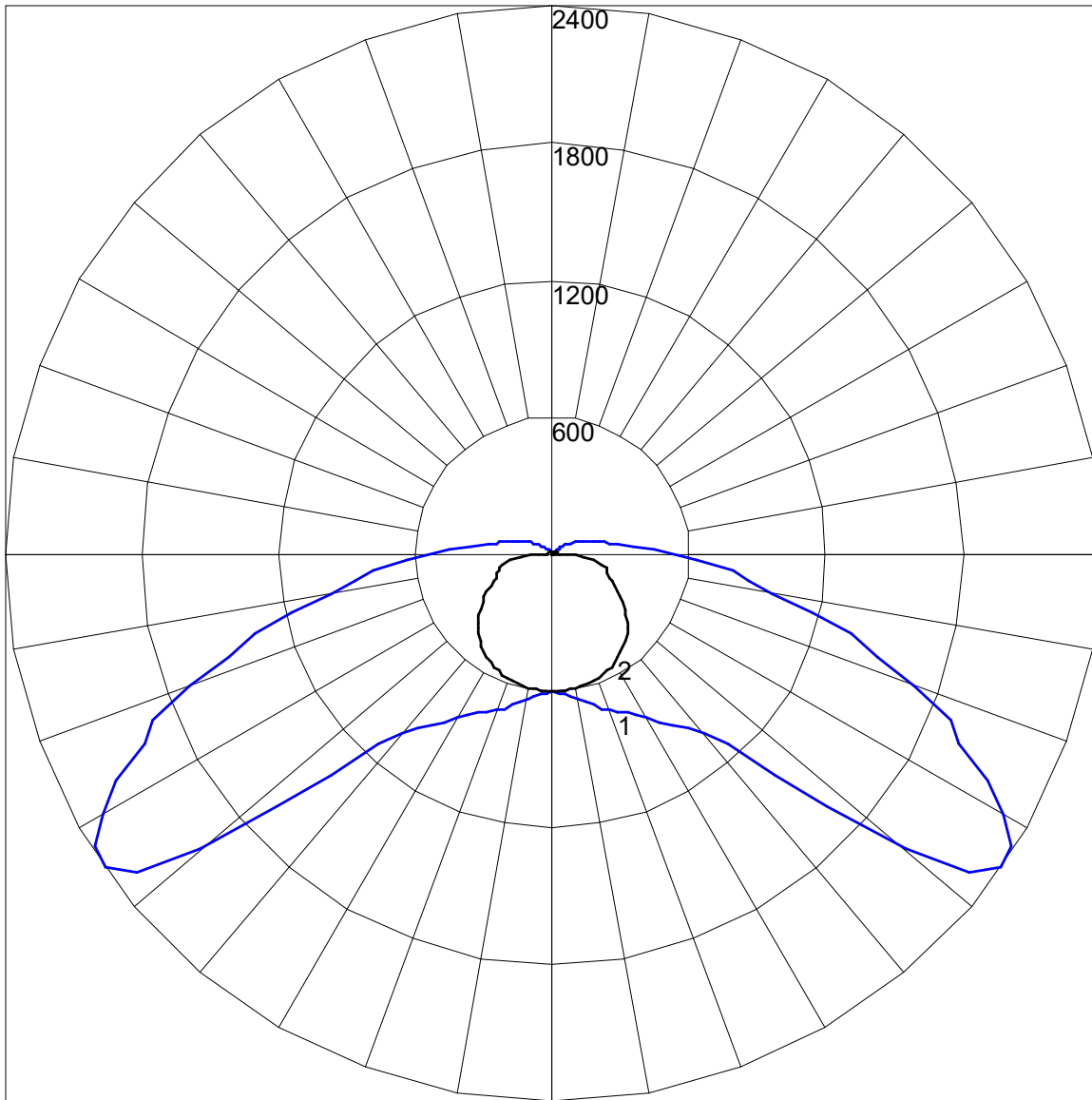
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	100	93	86	79	96	89	83	77	83	78	73	78	74	70	73	69	66	63
2	87	75	66	57	84	73	64	56	68	60	53	63	56	51	58	53	48	45
3	77	63	52	43	74	61	50	42	56	47	40	52	45	38	48	42	37	34
4	69	54	42	34	66	52	41	33	48	39	31	44	36	30	41	34	29	26
5	63	46	35	27	60	45	34	26	41	32	25	38	30	24	36	29	23	20
6	57	41	30	22	54	39	29	22	37	28	21	34	26	20	32	25	19	16
7	52	36	26	19	50	35	25	18	33	24	18	30	23	17	28	21	16	14
8	48	33	23	16	46	32	22	16	29	21	15	28	20	14	26	19	14	11
9	45	30	20	14	43	29	20	14	27	19	13	25	18	13	23	17	12	10
10	42	27	18	12	40	26	18	12	25	17	12	23	16	11	22	15	11	9

POLAR GRAPH



Maximum Candela = 2399.8 Located At Horizontal Angle = 90, Vertical Angle = 55
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)