

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W470L840-UNV-DIM-WHP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38429.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 9/20/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] V3W470L840-UNV-DIM-WHP
[LUMINAIRE] 4' VAPORLUME
[MORE] 2-LINEP 2.40L6 4000K BOARDS 54W DRIVER @1376mA PRISMATIC ACRYLIC LENS WIDE OPTICS
[LAMP] LED. LUMINAIRE OUTPUT = 6223 LUMENS
[TESTDATE] 9/20/17
[_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	6223
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	49.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	3.40
Spacing Criterion (Diagonal)	2.98
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	3558	5308	8119
55	3519	9466	15906
65	3568	16138	15696
75	4598	16019	13210
85	4276	12208	10053

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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	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1	543.1
2.5	539.4	539.4	544.1	548.2	548.4	548.2	544.1	539.4	539.4	539.4
5.0	538.5	539.3	546.2	552.5	553.5	552.5	546.2	539.3	538.5	539.3
7.5	536.9	539.0	549.7	560.1	563.3	560.1	549.7	539.0	536.9	539.0
10.0	534.7	538.5	554.7	573.1	579.2	573.1	554.7	538.5	534.7	538.5
12.5	531.9	537.8	562.0	590.5	599.0	590.5	562.0	537.8	531.9	537.8
15.0	528.6	536.9	572.0	609.2	620.3	609.2	572.0	536.9	528.6	536.9
17.5	524.6	535.8	583.5	628.5	641.1	628.5	583.5	535.8	524.6	535.8
20.0	519.8	534.7	595.0	646.4	658.9	646.4	595.0	534.7	519.8	534.7
22.5	514.3	533.6	606.9	662.1	675.5	662.1	606.9	533.6	514.3	533.6
25.0	507.9	532.5	618.1	677.0	693.5	677.0	618.1	532.5	507.9	532.5
27.5	500.4	531.3	629.1	695.4	716.3	695.4	629.1	531.3	500.4	531.3
30.0	491.6	529.7	641.4	720.2	749.9	720.2	641.4	529.7	491.6	529.7
32.5	481.7	527.4	655.5	753.4	793.1	753.4	655.5	527.4	481.7	527.4
35.0	470.9	524.2	671.3	790.7	836.5	790.7	671.3	524.2	470.9	524.2
37.5	459.3	520.2	689.1	828.4	880.1	828.4	689.1	520.2	459.3	520.2
40.0	446.4	515.4	708.7	870.2	936.0	870.2	708.7	515.4	446.4	515.4
42.5	431.5	509.7	729.3	933.1	1032.6	933.1	729.3	509.7	431.5	509.7
45.0	414.9	503.3	755.8	1040.0	1222.1	1040.0	755.8	503.3	414.9	503.3
47.5	397.2	496.1	801.2	1231.7	1460.1	1231.7	801.2	496.1	397.2	496.1
50.0	378.4	488.7	880.5	1500.8	1785.5	1500.8	880.5	488.7	378.4	488.7
52.5	358.7	481.6	1016.1	1814.3	2067.4	1814.3	1016.1	481.6	358.7	481.6
55.0	338.1	478.2	1192.3	1996.6	2153.5	1996.6	1192.3	478.2	338.1	478.2
57.5	317.2	481.6	1419.4	2083.0	2169.6	2083.0	1419.4	481.6	317.2	481.6
60.0	296.8	500.8	1580.4	2042.4	2044.9	2042.4	1580.4	500.8	296.8	500.8
62.5	277.3	568.8	1686.7	1928.8	1928.2	1928.8	1686.7	568.8	277.3	568.8
65.0	259.2	704.3	1705.9	1857.5	1822.9	1857.5	1705.9	704.3	259.2	704.3
67.5	242.9	884.9	1667.8	1688.5	1633.6	1688.5	1667.8	884.9	242.9	884.9
70.0	229.8	1014.3	1601.1	1538.3	1551.1	1538.3	1601.1	1014.3	229.8	1014.3
72.5	222.5	1077.2	1458.2	1445.2	1420.7	1445.2	1458.2	1077.2	222.5	1077.2
75.0	216.2	1096.8	1317.5	1257.7	1233.3	1257.7	1317.5	1096.8	216.2	1096.8
77.5	200.4	1070.9	1162.5	1098.7	1067.2	1098.7	1162.5	1070.9	200.4	1070.9
80.0	164.2	983.5	989.6	923.5	904.4	923.5	989.6	983.5	164.2	983.5
82.5	123.3	872.5	822.8	790.0	786.1	790.0	822.8	872.5	123.3	872.5
85.0	85.3	686.0	687.1	681.3	681.1	681.3	687.1	686.0	85.3	686.0
87.5	52.6	514.5	574.6	594.5	600.4	594.5	574.6	514.5	52.6	514.5
90.0	28.7	402.7	460.4	477.8	487.1	477.8	460.4	402.7	28.7	402.7
92.5	23.2	314.6	360.7	397.0	407.4	397.0	360.7	314.6	23.2	314.6
95.0	19.0	206.4	273.8	311.8	328.3	311.8	273.8	206.4	19.0	206.4
97.5	15.5	115.5	195.0	228.5	250.3	228.5	195.0	115.5	15.5	115.5
100.0	12.8	67.1	158.6	208.2	224.3	208.2	158.6	67.1	12.8	67.1
102.5	10.7	47.4	147.0	199.2	212.8	199.2	147.0	47.4	10.7	47.4
105.0	8.8	38.6	130.6	178.5	189.7	178.5	130.6	38.6	8.8	38.6
107.5	7.2	31.2	112.3	155.1	165.2	155.1	112.3	31.2	7.2	31.2
110.0	6.1	22.2	93.2	133.7	142.8	133.7	93.2	22.2	6.1	22.2
112.5	5.1	13.4	77.1	116.1	125.2	116.1	77.1	13.4	5.1	13.4
115.0	4.0	6.9	62.7	100.2	108.7	100.2	62.7	6.9	4.0	6.9
117.5	3.3	5.4	46.6	86.5	95.2	86.5	46.6	5.4	3.3	5.4
120.0	2.5	4.4	36.7	73.2	82.5	73.2	36.7	4.4	2.5	4.4
122.5	1.8	3.4	27.9	63.6	73.1	63.6	27.9	3.4	1.8	3.4
125.0	1.3	2.6	19.2	50.9	64.1	50.9	19.2	2.6	1.3	2.6
127.5	0.9	2.0	12.0	40.7	51.1	40.7	12.0	2.0	0.9	2.0
130.0	0.5	1.4	5.2	31.0	39.2	31.0	5.2	1.4	0.5	1.4
132.5	0.0	0.8	2.0	22.5	29.8	22.5	2.0	0.8	0.0	0.8

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135.0	0.0	0.3	1.0	13.4	20.7	13.4	1.0	0.3	0.0	0.3
137.5	0.0	0.0	0.2	4.6	11.3	4.6	0.2	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.2	3.8	0.2	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	543.1	543.1	543.1	543.1	543.1	543.1	543.1
2.5	544.1	548.2	548.4	548.2	544.1	539.4	539.4
5.0	546.2	552.5	553.5	552.5	546.2	539.3	538.5
7.5	549.7	560.1	563.3	560.1	549.7	539.0	536.9
10.0	554.7	573.1	579.2	573.1	554.7	538.5	534.7
12.5	562.0	590.5	599.0	590.5	562.0	537.8	531.9
15.0	572.0	609.2	620.3	609.2	572.0	536.9	528.6
17.5	583.5	628.5	641.1	628.5	583.5	535.8	524.6
20.0	595.0	646.4	658.9	646.4	595.0	534.7	519.8
22.5	606.9	662.1	675.5	662.1	606.9	533.6	514.3
25.0	618.1	677.0	693.5	677.0	618.1	532.5	507.9
27.5	629.1	695.4	716.3	695.4	629.1	531.3	500.4
30.0	641.4	720.2	749.9	720.2	641.4	529.7	491.6
32.5	655.5	753.4	793.1	753.4	655.5	527.4	481.7
35.0	671.3	790.7	836.5	790.7	671.3	524.2	470.9
37.5	689.1	828.4	880.1	828.4	689.1	520.2	459.3
40.0	708.7	870.2	936.0	870.2	708.7	515.4	446.4
42.5	729.3	933.1	1032.6	933.1	729.3	509.7	431.5
45.0	755.8	1040.0	1222.1	1040.0	755.8	503.3	414.9
47.5	801.2	1231.7	1460.1	1231.7	801.2	496.1	397.2
50.0	880.5	1500.8	1785.5	1500.8	880.5	488.7	378.4
52.5	1016.1	1814.3	2067.4	1814.3	1016.1	481.6	358.7
55.0	1192.3	1996.6	2153.5	1996.6	1192.3	478.2	338.1
57.5	1419.4	2083.0	2169.6	2083.0	1419.4	481.6	317.2
60.0	1580.4	2042.4	2044.9	2042.4	1580.4	500.8	296.8
62.5	1686.7	1928.8	1928.2	1928.8	1686.7	568.8	277.3
65.0	1705.9	1857.5	1822.9	1857.5	1705.9	704.3	259.2
67.5	1667.8	1688.5	1633.6	1688.5	1667.8	884.9	242.9
70.0	1601.1	1538.3	1551.1	1538.3	1601.1	1014.3	229.8
72.5	1458.2	1445.2	1420.7	1445.2	1458.2	1077.2	222.5
75.0	1317.5	1257.7	1233.3	1257.7	1317.5	1096.8	216.2
77.5	1162.5	1098.7	1067.2	1098.7	1162.5	1070.9	200.4
80.0	989.6	923.5	904.4	923.5	989.6	983.5	164.2

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82.5	822.8	790.0	786.1	790.0	822.8	872.5	123.3
85.0	687.1	681.3	681.1	681.3	687.1	686.0	85.3
87.5	574.6	594.5	600.4	594.5	574.6	514.5	52.6
90.0	460.4	477.8	487.1	477.8	460.4	402.7	28.7
92.5	360.7	397.0	407.4	397.0	360.7	314.6	23.2
95.0	273.8	311.8	328.3	311.8	273.8	206.4	19.0
97.5	195.0	228.5	250.3	228.5	195.0	115.5	15.5
100.0	158.6	208.2	224.3	208.2	158.6	67.1	12.8
102.5	147.0	199.2	212.8	199.2	147.0	47.4	10.7
105.0	130.6	178.5	189.7	178.5	130.6	38.6	8.8
107.5	112.3	155.1	165.2	155.1	112.3	31.2	7.2
110.0	93.2	133.7	142.8	133.7	93.2	22.2	6.1
112.5	77.1	116.1	125.2	116.1	77.1	13.4	5.1
115.0	62.7	100.2	108.7	100.2	62.7	6.9	4.0
117.5	46.6	86.5	95.2	86.5	46.6	5.4	3.3
120.0	36.7	73.2	82.5	73.2	36.7	4.4	2.5
122.5	27.9	63.6	73.1	63.6	27.9	3.4	1.8
125.0	19.2	50.9	64.1	50.9	19.2	2.6	1.3
127.5	12.0	40.7	51.1	40.7	12.0	2.0	0.9
130.0	5.2	31.0	39.2	31.0	5.2	1.4	0.5
132.5	2.0	22.5	29.8	22.5	2.0	0.8	0.0
135.0	1.0	13.4	20.7	13.4	1.0	0.3	0.0
137.5	0.2	4.6	11.3	4.6	0.2	0.0	0.0
140.0	0.0	0.2	3.8	0.2	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	215.47	N.A.	3.50
0-30	497.39	N.A.	8.00
0-40	913.21	N.A.	14.70
0-60	2622.61	N.A.	42.10
0-80	5070.68	N.A.	81.50
0-90	5745.34	N.A.	92.30
10-90	5692.92	N.A.	91.50
20-40	697.74	N.A.	11.20
20-50	1322.64	N.A.	21.30
40-70	3008.4	N.A.	48.30
60-80	2448.07	N.A.	39.30
70-80	1149.06	N.A.	18.50
80-90	674.66	N.A.	10.80
90-110	390.77	N.A.	6.30
90-120	448.47	N.A.	7.20
90-130	472.55	N.A.	7.60
90-150	477.85	N.A.	7.70
90-180	477.85	N.A.	7.70
110-180	87.08	N.A.	1.40
0-180	6223.19	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	52.42
10-20	163.04
20-30	281.92
30-40	415.82
40-50	624.89
50-60	1084.5
60-70	1299.00
70-80	1149.06
80-90	674.66
90-100	273.18
100-110	117.60
110-120	57.70
120-130	24.08
130-140	5.26
140-150	0.05
150-160	0.00
160-170	0.00
170-180	0.00

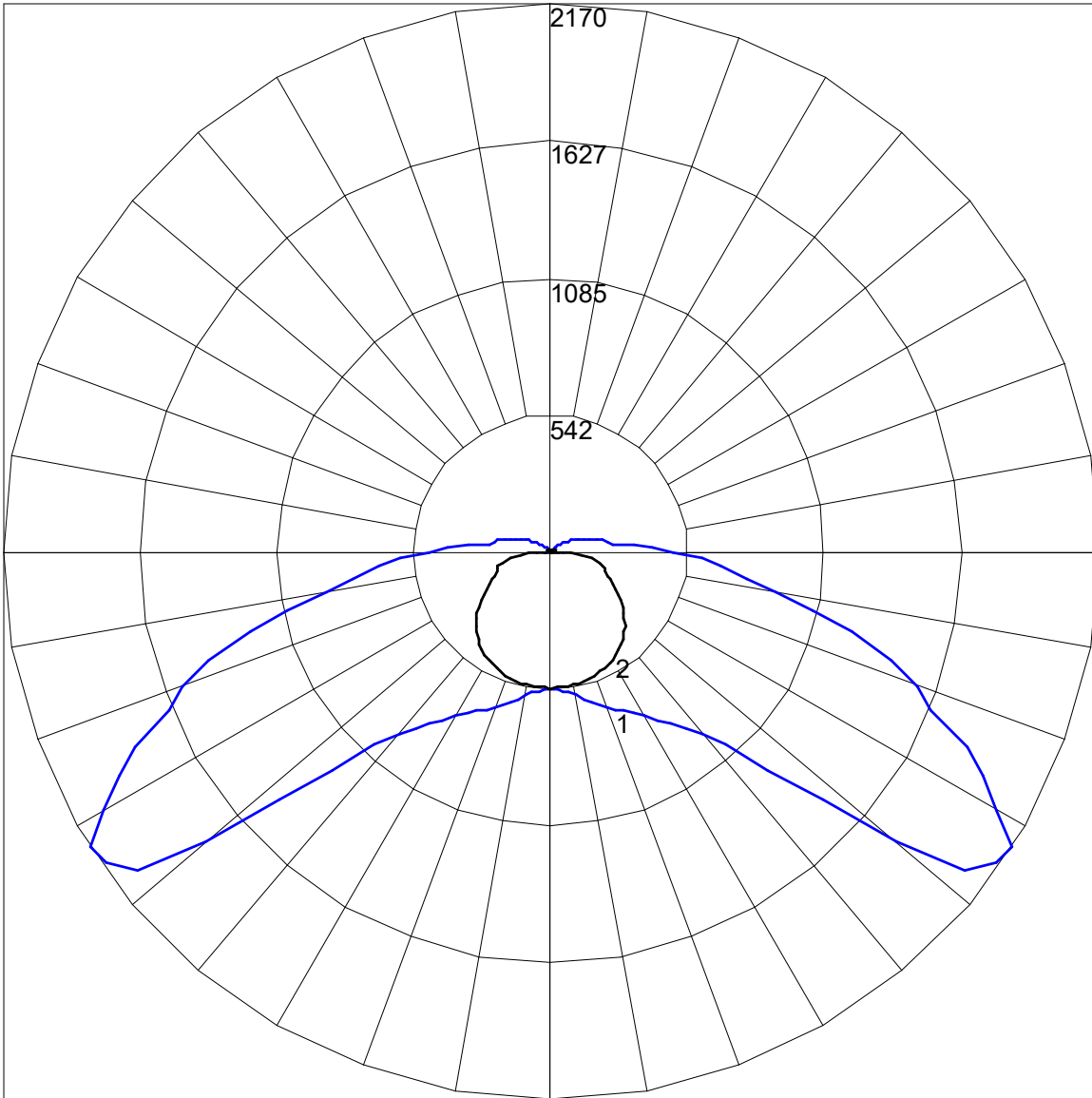
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	100	92	86	79	96	89	83	77	83	78	73	78	74	70	73	69	66	63
2	87	75	66	57	83	73	64	56	67	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	33	66	52	41	33	48	39	31	44	36	30	41	34	29	26
5	62	46	35	27	59	45	34	26	41	32	25	38	30	24	36	29	23	20
6	57	41	30	22	54	39	29	22	37	27	21	34	26	20	31	24	19	16
7	52	36	26	19	50	35	25	18	33	24	17	30	23	17	28	21	16	14
8	48	33	23	16	46	32	22	16	29	21	15	27	20	14	26	19	14	11
9	45	30	20	14	43	29	20	14	27	19	13	25	18	12	23	17	12	10
10	42	27	18	12	40	26	18	12	25	17	11	23	16	11	22	15	11	9

POLAR GRAPH



Maximum Candela = 2169.6 Located At Horizontal Angle = 90, Vertical Angle = 57.5
1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)