

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W243L840-UNV-DIM-WHP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38364.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 8/31/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] V3W243L840-UNV-DIM-WHP
[LUMINAIRE] 2' VAPORLUME
[MORE] 1-LINEP 2.40L6 4000K BOARD 40W DRIVER @883mA PRISMATIC ACRYLIC LENS WIDE OPTICS
[LAMP] LED. LUMINAIRE OUTPUT = 3834 LUMENS
[TESTDATE] 8/31/17
[_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	3834
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	33
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	3.32
Spacing Criterion (Diagonal)	2.92
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.08 ft
Luminous Width (90-270)	0.42 ft
Luminous Height	0.15 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4219	6337	9732
55	4199	11106	18038
65	4344	17952	18320
75	5651	18175	15817
85	4862	14230	11853

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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	340.1	340.1	340.1	340.1	340.1	340.1	340.1	340.1	340.1	340.1
2.5	340.0	338.2	340.9	342.6	342.1	342.6	340.9	338.2	340.0	338.2
5.0	339.1	338.1	342.7	346.2	346.2	346.2	342.7	338.1	339.1	338.1
7.5	337.8	338.1	345.5	352.5	354.0	352.5	345.5	338.1	337.8	338.1
10.0	336.1	338.1	350.0	362.0	365.2	362.0	350.0	338.1	336.1	338.1
12.5	334.0	337.9	355.9	374.4	378.9	374.4	355.9	337.9	334.0	337.9
15.0	331.5	337.6	362.9	387.8	393.9	387.8	362.9	337.6	331.5	337.6
17.5	328.4	337.2	370.8	401.5	408.8	401.5	370.8	337.2	328.4	337.2
20.0	324.9	336.6	379.4	414.5	421.8	414.5	379.4	336.6	324.9	336.6
22.5	321.0	336.0	387.9	425.8	433.9	425.8	387.9	336.0	321.0	336.0
25.0	316.9	335.4	395.6	436.8	447.3	436.8	395.6	335.4	316.9	335.4
27.5	312.3	334.9	403.0	449.1	464.4	449.1	403.0	334.9	312.3	334.9
30.0	306.9	334.4	411.3	466.9	486.1	466.9	411.3	334.4	306.9	334.4
32.5	300.9	333.2	420.0	489.0	511.9	489.0	420.0	333.2	300.9	333.2
35.0	294.2	331.2	429.5	511.1	535.3	511.1	429.5	331.2	294.2	331.2
37.5	287.0	328.5	440.1	530.6	556.6	530.6	440.1	328.5	287.0	328.5
40.0	278.8	325.2	451.2	550.4	584.9	550.4	451.2	325.2	278.8	325.2
42.5	269.7	321.5	461.7	583.1	637.7	583.1	461.7	321.5	269.7	321.5
45.0	259.8	317.4	474.5	643.0	758.7	643.0	474.5	317.4	259.8	317.4
47.5	249.3	313.2	498.7	763.6	872.3	763.6	498.7	313.2	249.3	313.2
50.0	238.4	309.2	544.6	931.8	1094.3	931.8	544.6	309.2	238.4	309.2
52.5	227.1	305.9	628.0	1062.9	1161.0	1062.9	628.0	305.9	227.1	305.9
55.0	215.8	305.7	741.8	1205.0	1269.2	1205.0	741.8	305.7	215.8	305.7
57.5	204.3	309.5	878.0	1178.1	1234.0	1178.1	878.0	309.5	204.3	309.5
60.0	193.2	321.8	963.0	1210.7	1210.2	1210.7	963.0	321.8	193.2	321.8
62.5	182.3	373.5	1006.2	1145.4	1171.4	1145.4	1006.2	373.5	182.3	373.5
65.0	172.2	471.1	1017.5	1090.1	1110.7	1090.1	1017.5	471.1	172.2	471.1
67.5	163.0	592.7	996.4	1051.9	1005.0	1051.9	996.4	592.7	163.0	592.7
70.0	155.1	642.3	957.4	983.3	970.7	983.3	957.4	642.3	155.1	642.3
72.5	153.2	689.1	895.5	873.5	832.6	873.5	895.5	689.1	153.2	689.1
75.0	150.8	686.6	815.0	814.6	775.8	814.6	815.0	686.6	150.8	686.6
77.5	140.4	671.0	728.2	682.4	644.9	682.4	728.2	671.0	140.4	671.0
80.0	115.4	619.1	631.3	611.9	579.9	611.9	631.3	619.1	115.4	619.1
82.5	87.8	531.3	539.9	511.7	477.8	511.7	539.9	531.3	87.8	531.3
85.0	62.8	419.8	450.3	455.7	426.5	455.7	450.3	419.8	62.8	419.8
87.5	42.6	329.8	370.5	364.2	350.7	364.2	370.5	329.8	42.6	329.8
90.0	27.2	252.7	280.8	285.1	275.1	285.1	280.8	252.7	27.2	252.7
92.5	22.2	182.3	198.5	201.1	191.1	201.1	198.5	182.3	22.2	182.3
95.0	18.4	105.9	134.6	149.8	153.7	149.8	134.6	105.9	18.4	105.9
97.5	15.5	55.8	101.9	126.5	131.7	126.5	101.9	55.8	15.5	55.8
100.0	13.0	38.7	90.6	119.8	125.7	119.8	90.6	38.7	13.0	38.7
102.5	11.0	30.4	85.6	112.9	119.1	112.9	85.6	30.4	11.0	30.4
105.0	9.3	26.3	77.4	103.0	108.6	103.0	77.4	26.3	9.3	26.3
107.5	7.8	21.3	67.8	94.1	99.9	94.1	67.8	21.3	7.8	21.3
110.0	6.5	15.5	57.9	85.1	90.4	85.1	57.9	15.5	6.5	15.5
112.5	5.4	10.5	46.9	75.3	80.3	75.3	46.9	10.5	5.4	10.5
115.0	4.3	7.0	38.4	64.0	69.0	64.0	38.4	7.0	4.3	7.0
117.5	3.2	5.6	29.8	51.8	56.3	51.8	29.8	5.6	3.2	5.6
120.0	2.5	4.4	23.0	41.3	46.1	41.3	23.0	4.4	2.5	4.4
122.5	1.8	3.3	16.5	32.9	37.4	32.9	16.5	3.3	1.8	3.3
125.0	1.2	2.5	10.7	25.4	29.6	25.4	10.7	2.5	1.2	2.5
127.5	0.8	1.8	6.0	19.2	22.8	19.2	6.0	1.8	0.8	1.8
130.0	0.3	1.2	2.5	13.8	17.2	13.8	2.5	1.2	0.3	1.2
132.5	0.0	0.7	1.6	8.8	11.9	8.8	1.6	0.7	0.0	0.7

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135.0	0.0	0.2	0.8	4.0	7.0	4.0	0.8	0.2	0.0	0.2
137.5	0.0	0.0	0.2	0.7	2.7	0.7	0.2	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.1	0.0	0.1	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	340.1	340.1	340.1	340.1	340.1	340.1	340.1
2.5	340.9	342.6	342.1	342.6	340.9	338.2	340.0
5.0	342.7	346.2	346.2	346.2	342.7	338.1	339.1
7.5	345.5	352.5	354.0	352.5	345.5	338.1	337.8
10.0	350.0	362.0	365.2	362.0	350.0	338.1	336.1
12.5	355.9	374.4	378.9	374.4	355.9	337.9	334.0
15.0	362.9	387.8	393.9	387.8	362.9	337.6	331.5
17.5	370.8	401.5	408.8	401.5	370.8	337.2	328.4
20.0	379.4	414.5	421.8	414.5	379.4	336.6	324.9
22.5	387.9	425.8	433.9	425.8	387.9	336.0	321.0
25.0	395.6	436.8	447.3	436.8	395.6	335.4	316.9
27.5	403.0	449.1	464.4	449.1	403.0	334.9	312.3
30.0	411.3	466.9	486.1	466.9	411.3	334.4	306.9
32.5	420.0	489.0	511.9	489.0	420.0	333.2	300.9
35.0	429.5	511.1	535.3	511.1	429.5	331.2	294.2
37.5	440.1	530.6	556.6	530.6	440.1	328.5	287.0
40.0	451.2	550.4	584.9	550.4	451.2	325.2	278.8
42.5	461.7	583.1	637.7	583.1	461.7	321.5	269.7
45.0	474.5	643.0	758.7	643.0	474.5	317.4	259.8
47.5	498.7	763.6	872.3	763.6	498.7	313.2	249.3
50.0	544.6	931.8	1094.3	931.8	544.6	309.2	238.4
52.5	628.0	1062.9	1161.0	1062.9	628.0	305.9	227.1
55.0	741.8	1205.0	1269.2	1205.0	741.8	305.7	215.8
57.5	878.0	1178.1	1234.0	1178.1	878.0	309.5	204.3
60.0	963.0	1210.7	1210.2	1210.7	963.0	321.8	193.2
62.5	1006.2	1145.4	1171.4	1145.4	1006.2	373.5	182.3
65.0	1017.5	1090.1	1110.7	1090.1	1017.5	471.1	172.2
67.5	996.4	1051.9	1005.0	1051.9	996.4	592.7	163.0
70.0	957.4	983.3	970.7	983.3	957.4	642.3	155.1
72.5	895.5	873.5	832.6	873.5	895.5	689.1	153.2
75.0	815.0	814.6	775.8	814.6	815.0	686.6	150.8
77.5	728.2	682.4	644.9	682.4	728.2	671.0	140.4
80.0	631.3	611.9	579.9	611.9	631.3	619.1	115.4

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82.5	539.9	511.7	477.8	511.7	539.9	531.3	87.8
85.0	450.3	455.7	426.5	455.7	450.3	419.8	62.8
87.5	370.5	364.2	350.7	364.2	370.5	329.8	42.6
90.0	280.8	285.1	275.1	285.1	280.8	252.7	27.2
92.5	198.5	201.1	191.1	201.1	198.5	182.3	22.2
95.0	134.6	149.8	153.7	149.8	134.6	105.9	18.4
97.5	101.9	126.5	131.7	126.5	101.9	55.8	15.5
100.0	90.6	119.8	125.7	119.8	90.6	38.7	13.0
102.5	85.6	112.9	119.1	112.9	85.6	30.4	11.0
105.0	77.4	103.0	108.6	103.0	77.4	26.3	9.3
107.5	67.8	94.1	99.9	94.1	67.8	21.3	7.8
110.0	57.9	85.1	90.4	85.1	57.9	15.5	6.5
112.5	46.9	75.3	80.3	75.3	46.9	10.5	5.4
115.0	38.4	64.0	69.0	64.0	38.4	7.0	4.3
117.5	29.8	51.8	56.3	51.8	29.8	5.6	3.2
120.0	23.0	41.3	46.1	41.3	23.0	4.4	2.5
122.5	16.5	32.9	37.4	32.9	16.5	3.3	1.8
125.0	10.7	25.4	29.6	25.4	10.7	2.5	1.2
127.5	6.0	19.2	22.8	19.2	6.0	1.8	0.8
130.0	2.5	13.8	17.2	13.8	2.5	1.2	0.3
132.5	1.6	8.8	11.9	8.8	1.6	0.7	0.0
135.0	0.8	4.0	7.0	4.0	0.8	0.2	0.0
137.5	0.2	0.7	2.7	0.7	0.2	0.0	0.0
140.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0
142.5	0.0	0.2	0.0	0.2	0.0	0.0	0.0
145.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
147.5	0.0	0.1	0.0	0.1	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	136.17	N.A.	3.60
0-30	316.13	N.A.	8.20
0-40	581.21	N.A.	15.20
0-60	1622.29	N.A.	42.30
0-80	3136.17	N.A.	81.80
0-90	3564.5	N.A.	93.00
10-90	3531.57	N.A.	92.10
20-40	445.04	N.A.	11.60
20-50	834.30	N.A.	21.80
40-70	1836.31	N.A.	47.90
60-80	1513.89	N.A.	39.50
70-80	718.65	N.A.	18.70
80-90	428.33	N.A.	11.20
90-110	218.11	N.A.	5.70
90-120	254.81	N.A.	6.60
90-130	267.55	N.A.	7.00
90-150	269.64	N.A.	7.00
90-180	269.64	N.A.	7.00
110-180	51.53	N.A.	1.30
0-180	3834.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	32.93
10-20	103.24
20-30	179.96
30-40	265.08
40-50	389.26
50-60	651.81
60-70	795.23
70-80	718.65
80-90	428.33
90-100	147.96
100-110	70.15
110-120	36.69
120-130	12.74
130-140	2.06
140-150	0.03
150-160	0.00
160-170	0.00
170-180	0.00

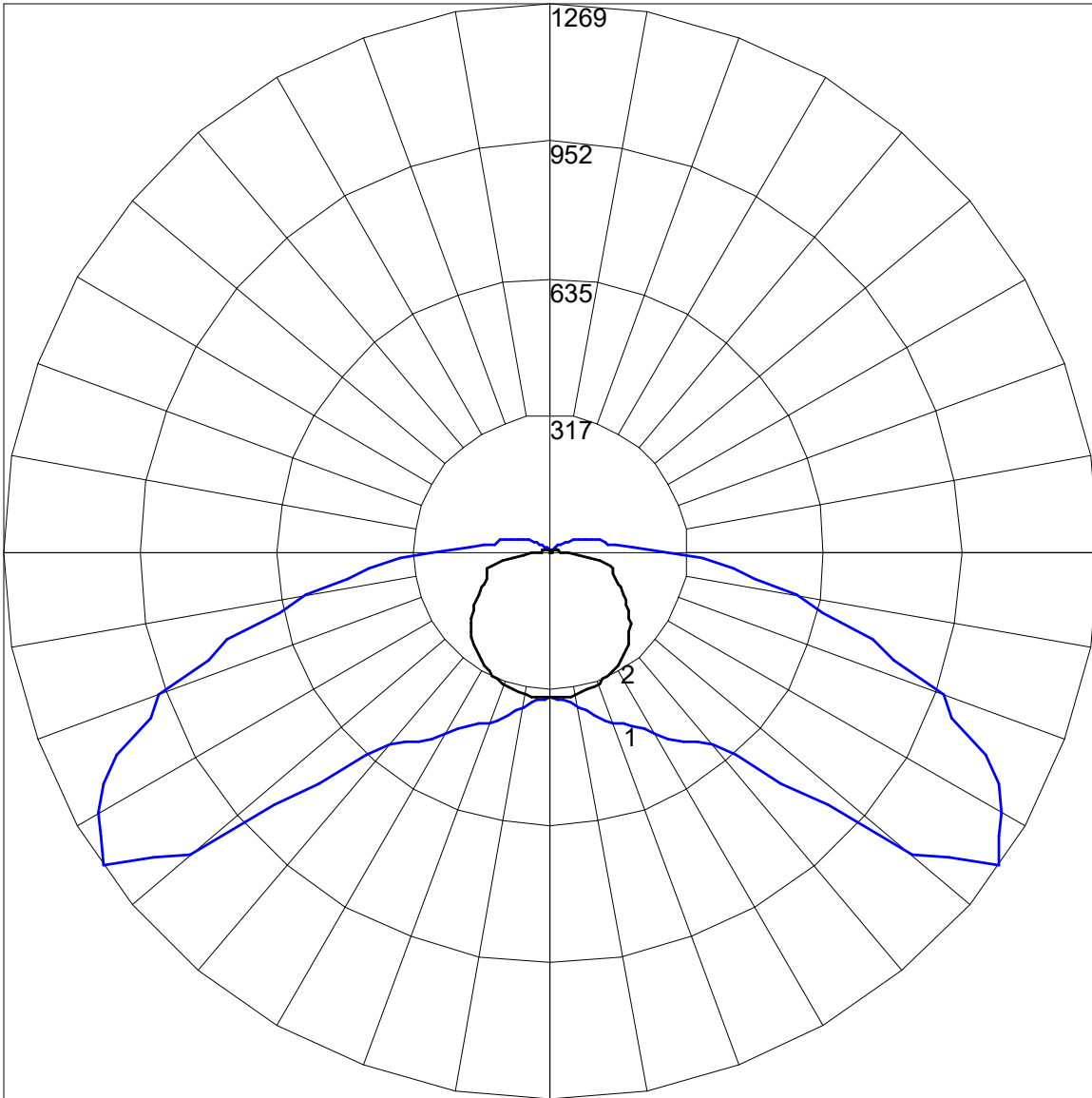
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	96	96	96	93
1	100	92	86	79	96	89	83	77	83	78	73	78	74	70	73	70	66	63
2	87	75	65	57	84	73	64	56	68	60	53	63	57	51	59	53	49	45
3	77	63	52	43	74	61	50	42	56	47	40	52	45	38	49	42	37	34
4	69	54	42	33	66	52	41	33	48	39	31	44	37	30	41	34	29	26
5	63	46	35	27	60	45	34	26	42	32	25	39	31	24	36	29	23	20
6	57	41	30	22	54	39	29	22	37	28	21	34	26	20	32	25	19	17
7	52	36	26	19	50	35	25	18	33	24	18	31	23	17	29	22	16	14
8	48	33	23	16	46	32	22	16	30	21	15	28	20	15	26	19	14	12
9	45	30	20	14	43	29	20	14	27	19	13	25	18	13	24	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 = 1269.2 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)