

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W443L840-UNV-DIM-WHP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] FO38437.PSO

[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY

[ISSUE DATE] 9/20/17

[MANUFAC] SIGNIFY DAY-BRITE - CFI

[LUMCAT] V3W443L840-UNV-DIM-WHP

[LUMINAIRE] 4' VAPORLUME

[MORE] 2-LINEP 2.40L6 4000K BOARDS 40W DRIVER @806mA PRISMATIC ACRYLIC LENS WIDE OPTICS

[LAMP] LED. LUMINAIRE OUTPUT = 3751 LUMENS

[TEST DATE] 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	3751
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	28.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	3.36
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	2146	3217	4946
55	2119	5877	9432
65	2155	9567	9471
75	2820	9650	8205
85	2526	7318	6108

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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	327.6	327.6	327.6	327.6	327.6	327.6	327.6	327.6	327.6	327.6
2.5	325.2	325.4	328.3	330.8	330.9	330.8	328.3	325.4	325.2	325.4
5.0	324.6	325.4	329.6	333.6	334.2	333.6	329.6	325.4	324.6	325.4
7.5	323.7	325.3	331.8	338.6	340.4	338.6	331.8	325.3	323.7	325.3
10.0	322.4	325.0	335.1	346.2	349.7	346.2	335.1	325.0	322.4	325.0
12.5	320.8	324.7	339.8	356.4	361.2	356.4	339.8	324.7	320.8	324.7
15.0	318.8	324.3	345.5	368.0	374.4	368.0	345.5	324.3	318.8	324.3
17.5	316.5	323.8	352.4	380.0	387.3	380.0	352.4	323.8	316.5	323.8
20.0	313.8	323.4	359.7	391.1	398.7	391.1	359.7	323.4	313.8	323.4
22.5	310.4	322.9	367.2	400.9	409.3	400.9	367.2	322.9	310.4	322.9
25.0	306.6	322.5	374.3	410.4	420.8	410.4	374.3	322.5	306.6	322.5
27.5	302.2	321.9	381.0	422.1	435.3	422.1	381.0	321.9	302.2	321.9
30.0	296.9	321.2	388.3	437.7	456.1	437.7	388.3	321.2	296.9	321.2
32.5	291.0	319.9	396.8	458.1	482.1	458.1	396.8	319.9	291.0	319.9
35.0	284.4	317.9	406.6	480.2	507.1	480.2	406.6	317.9	284.4	317.9
37.5	277.0	315.4	417.4	502.0	533.1	502.0	417.4	315.4	277.0	315.4
40.0	269.0	312.3	429.3	527.9	567.3	527.9	429.3	312.3	269.0	312.3
42.5	260.0	308.9	441.5	567.2	629.4	567.2	441.5	308.9	260.0	308.9
45.0	250.2	305.2	458.0	640.9	744.5	640.9	458.0	305.2	250.2	305.2
47.5	239.6	301.2	487.2	758.9	895.4	758.9	487.2	301.2	239.6	301.2
50.0	228.2	296.8	539.9	931.4	1088.6	931.4	539.9	296.8	228.2	296.8
52.5	216.1	292.7	623.4	1098.8	1251.1	1098.8	623.4	292.7	216.1	292.7
55.0	203.6	291.0	740.3	1202.6	1277.0	1202.6	740.3	291.0	203.6	291.0
57.5	191.1	293.7	877.4	1229.6	1276.2	1229.6	877.4	293.7	191.1	293.7
60.0	179.1	306.2	961.8	1202.3	1188.8	1202.3	961.8	306.2	179.1	306.2
62.5	167.5	355.1	1016.7	1121.5	1132.3	1121.5	1016.7	355.1	167.5	355.1
65.0	156.6	443.1	1011.3	1092.7	1100.0	1092.7	1011.3	443.1	156.6	443.1
67.5	146.9	552.8	986.8	1000.2	978.7	1000.2	986.8	552.8	146.9	552.8
70.0	139.4	622.9	947.2	929.2	959.0	929.2	947.2	622.9	139.4	622.9
72.5	136.4	652.0	865.7	889.5	886.3	889.5	865.7	652.0	136.4	652.0
75.0	132.6	660.8	793.7	773.5	766.1	773.5	793.7	660.8	132.6	660.8
77.5	121.4	632.5	709.6	664.5	653.0	664.5	709.6	632.5	121.4	632.5
80.0	99.0	584.8	598.9	555.7	559.1	555.7	598.9	584.8	99.0	584.8
82.5	73.6	523.4	492.7	477.9	472.4	477.9	492.7	523.4	73.6	523.4
85.0	50.4	408.8	411.9	406.3	413.8	406.3	411.9	408.8	50.4	408.8
87.5	31.0	305.0	339.5	355.3	363.9	355.3	339.5	305.0	31.0	305.0
90.0	16.9	239.2	276.7	295.8	307.0	295.8	276.7	239.2	16.9	239.2
92.5	13.7	181.4	217.5	240.5	248.0	240.5	217.5	181.4	13.7	181.4
95.0	11.2	120.9	162.8	188.5	202.4	188.5	162.8	120.9	11.2	120.9
97.5	9.1	65.1	116.1	139.1	155.3	139.1	116.1	65.1	9.1	65.1
100.0	7.5	36.4	94.1	123.2	133.7	123.2	94.1	36.4	7.5	36.4
102.5	6.2	27.8	87.2	118.3	127.1	118.3	87.2	27.8	6.2	27.8
105.0	5.1	22.9	77.8	107.1	114.9	107.1	77.8	22.9	5.1	22.9
107.5	3.8	18.4	67.2	93.5	100.6	93.5	67.2	18.4	3.8	18.4
110.0	3.2	13.0	53.9	80.0	86.3	80.0	53.9	13.0	3.2	13.0
112.5	2.6	7.8	42.9	69.3	75.2	69.3	42.9	7.8	2.6	7.8
115.0	2.1	3.8	34.6	58.9	65.2	58.9	34.6	3.8	2.1	3.8
117.5	1.7	3.1	27.5	48.0	55.2	48.0	27.5	3.1	1.7	3.1
120.0	1.3	2.5	21.5	41.0	46.6	41.0	21.5	2.5	1.3	2.5
122.5	0.9	1.9	16.4	35.4	40.9	35.4	16.4	1.9	0.9	1.9
125.0	0.6	1.4	11.1	29.7	35.9	29.7	11.1	1.4	0.6	1.4
127.5	0.4	1.1	6.7	23.8	29.2	23.8	6.7	1.1	0.4	1.1
130.0	0.1	0.7	2.3	18.3	23.2	18.3	2.3	0.7	0.1	0.7
132.5	0.0	0.4	1.0	13.0	17.7	13.0	1.0	0.4	0.0	0.4

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PHOTOMETRIC FILENAME : V3W443L840-UNV-DIM-WHP.IES

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135.0	0.0	0.0	0.4	7.5	12.1	7.5	0.4	0.0	0.0	0.0
137.5	0.0	0.0	0.0	2.3	6.7	2.3	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.2	2.4	0.2	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.2	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	327.6	327.6	327.6	327.6	327.6	327.6	327.6
2.5	328.3	330.8	330.9	330.8	328.3	325.4	325.2
5.0	329.6	333.6	334.2	333.6	329.6	325.4	324.6
7.5	331.8	338.6	340.4	338.6	331.8	325.3	323.7
10.0	335.1	346.2	349.7	346.2	335.1	325.0	322.4
12.5	339.8	356.4	361.2	356.4	339.8	324.7	320.8
15.0	345.5	368.0	374.4	368.0	345.5	324.3	318.8
17.5	352.4	380.0	387.3	380.0	352.4	323.8	316.5
20.0	359.7	391.1	398.7	391.1	359.7	323.4	313.8
22.5	367.2	400.9	409.3	400.9	367.2	322.9	310.4
25.0	374.3	410.4	420.8	410.4	374.3	322.5	306.6
27.5	381.0	422.1	435.3	422.1	381.0	321.9	302.2
30.0	388.3	437.7	456.1	437.7	388.3	321.2	296.9
32.5	396.8	458.1	482.1	458.1	396.8	319.9	291.0
35.0	406.6	480.2	507.1	480.2	406.6	317.9	284.4
37.5	417.4	502.0	533.1	502.0	417.4	315.4	277.0
40.0	429.3	527.9	567.3	527.9	429.3	312.3	269.0
42.5	441.5	567.2	629.4	567.2	441.5	308.9	260.0
45.0	458.0	640.9	744.5	640.9	458.0	305.2	250.2
47.5	487.2	758.9	895.4	758.9	487.2	301.2	239.6
50.0	539.9	931.4	1088.6	931.4	539.9	296.8	228.2
52.5	623.4	1098.8	1251.1	1098.8	623.4	292.7	216.1
55.0	740.3	1202.6	1277.0	1202.6	740.3	291.0	203.6
57.5	877.4	1229.6	1276.2	1229.6	877.4	293.7	191.1
60.0	961.8	1202.3	1188.8	1202.3	961.8	306.2	179.1
62.5	1016.7	1121.5	1132.3	1121.5	1016.7	355.1	167.5
65.0	1011.3	1092.7	1100.0	1092.7	1011.3	443.1	156.6
67.5	986.8	1000.2	978.7	1000.2	986.8	552.8	146.9
70.0	947.2	929.2	959.0	929.2	947.2	622.9	139.4
72.5	865.7	889.5	886.3	889.5	865.7	652.0	136.4
75.0	793.7	773.5	766.1	773.5	793.7	660.8	132.6
77.5	709.6	664.5	653.0	664.5	709.6	632.5	121.4
80.0	598.9	555.7	559.1	555.7	598.9	584.8	99.0

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CANDELA TABULATION - (Cont.)

82.5	492.7	477.9	472.4	477.9	492.7	523.4	73.6
85.0	411.9	406.3	413.8	406.3	411.9	408.8	50.4
87.5	339.5	355.3	363.9	355.3	339.5	305.0	31.0
90.0	276.7	295.8	307.0	295.8	276.7	239.2	16.9
92.5	217.5	240.5	248.0	240.5	217.5	181.4	13.7
95.0	162.8	188.5	202.4	188.5	162.8	120.9	11.2
97.5	116.1	139.1	155.3	139.1	116.1	65.1	9.1
100.0	94.1	123.2	133.7	123.2	94.1	36.4	7.5
102.5	87.2	118.3	127.1	118.3	87.2	27.8	6.2
105.0	77.8	107.1	114.9	107.1	77.8	22.9	5.1
107.5	67.2	93.5	100.6	93.5	67.2	18.4	3.8
110.0	53.9	80.0	86.3	80.0	53.9	13.0	3.2
112.5	42.9	69.3	75.2	69.3	42.9	7.8	2.6
115.0	34.6	58.9	65.2	58.9	34.6	3.8	2.1
117.5	27.5	48.0	55.2	48.0	27.5	3.1	1.7
120.0	21.5	41.0	46.6	41.0	21.5	2.5	1.3
122.5	16.4	35.4	40.9	35.4	16.4	1.9	0.9
125.0	11.1	29.7	35.9	29.7	11.1	1.4	0.6
127.5	6.7	23.8	29.2	23.8	6.7	1.1	0.4
130.0	2.3	18.3	23.2	18.3	2.3	0.7	0.1
132.5	1.0	13.0	17.7	13.0	1.0	0.4	0.0
135.0	0.4	7.5	12.1	7.5	0.4	0.0	0.0
137.5	0.0	2.3	6.7	2.3	0.0	0.0	0.0
140.0	0.0	0.2	2.4	0.2	0.0	0.0	0.0
142.5	0.0	0.0	0.2	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	130.13	N.A.	3.50
0-30	300.91	N.A.	8.00
0-40	552.97	N.A.	14.70
0-60	1588.85	N.A.	42.40
0-80	3062.06	N.A.	81.60
0-90	3467.05	N.A.	92.40
10-90	3435.4	N.A.	91.60
20-40	422.83	N.A.	11.30
20-50	804.01	N.A.	21.40
40-70	1812.62	N.A.	48.30
60-80	1473.21	N.A.	39.30
70-80	696.47	N.A.	18.60
80-90	404.99	N.A.	10.80
90-110	233.95	N.A.	6.20
90-120	267.44	N.A.	7.10
90-130	281.15	N.A.	7.50
90-150	284.18	N.A.	7.60
90-180	284.18	N.A.	7.60
110-180	50.23	N.A.	1.30
0-180	3751.22	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	31.64
10-20	98.49
20-30	170.77
30-40	252.06
40-50	381.18
50-60	654.71
60-70	776.74
70-80	696.47
80-90	404.99
90-100	163.93
100-110	70.02
110-120	33.49
120-130	13.71
130-140	2.99
140-150	0.03
150-160	0.00
160-170	0.00
170-180	0.00

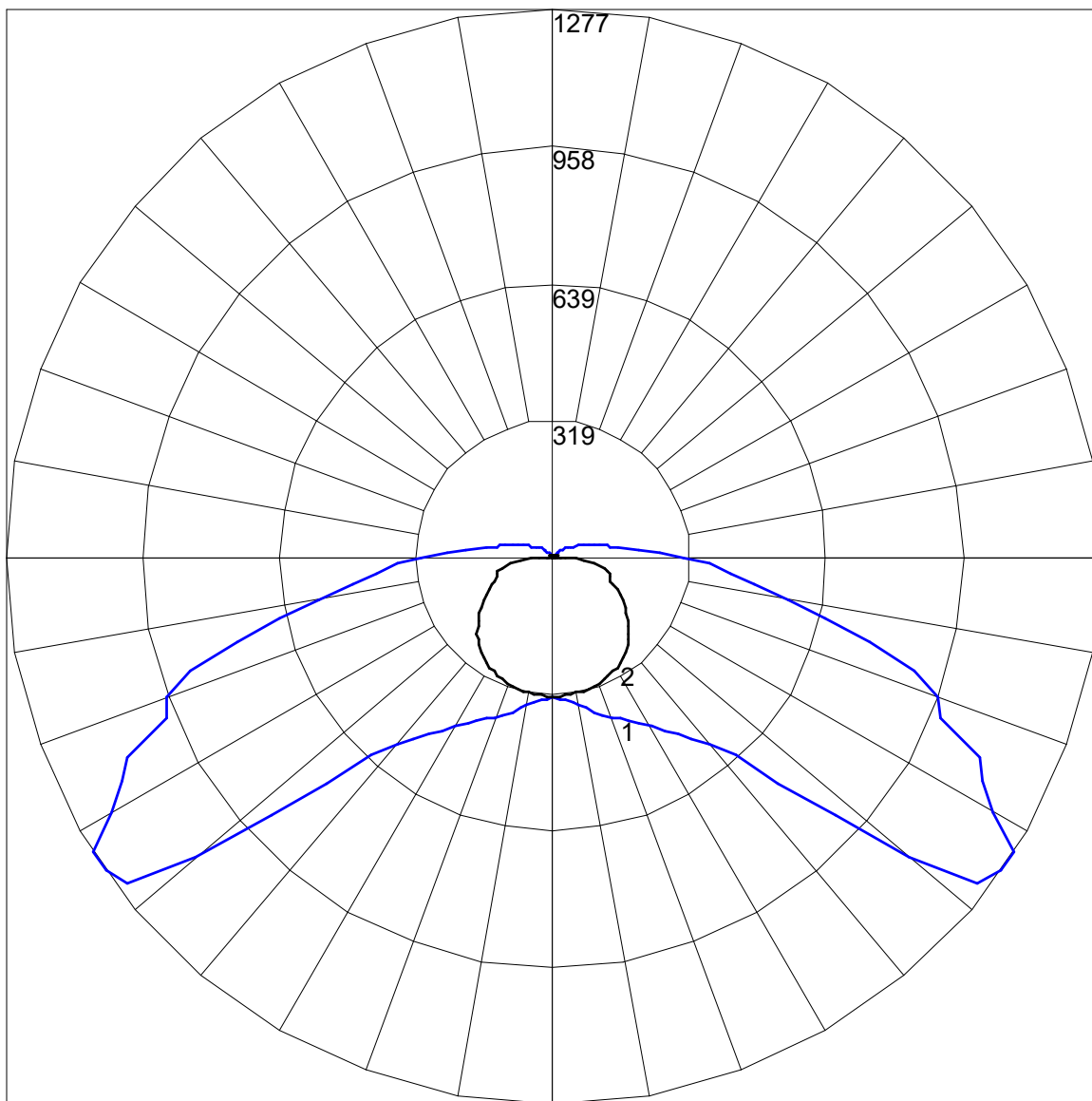
IES INDOOR REPORT
PHOTOMETRIC FILENAME : V3W443L840-UNV-DIM-WHP.IES

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	33	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	39	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	24	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 = 1277 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)