

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W435L840-UNV-DIM-WHP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38442.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 9/21/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] V3W435L840-UNV-DIM-WHP
[LUMINAIRE] 4' VAPORLUME
[MORE] 2-LINEP 2.40L6 4000K BOARDS 40W DRIVER @641mA PRISMATIC ACRYLIC LENS WIDE OPTICS
[LAMP] LED. LUMINAIRE OUTPUT = 2997 LUMENS
[TEST DATE] 9/21/17
[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	2997
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	131
Total Luminaire Watts	22.9
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	0.10 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1754	2726	4434
55	1741	5212	8559
65	1788	8837	8754
75	2520	9090	7731
85	2490	7899	6804

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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	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2.5	262.3	265.2	264.7	266.6	266.7	266.6	264.7	265.2	262.3	265.2
5.0	261.9	265.0	265.6	268.7	269.1	268.7	265.6	265.0	261.9	265.0
7.5	261.1	264.9	267.2	272.4	273.9	272.4	267.2	264.9	261.1	264.9
10.0	260.1	264.6	269.7	278.3	281.5	278.3	269.7	264.6	260.1	264.6
12.5	258.9	264.2	273.1	286.5	291.1	286.5	273.1	264.2	258.9	264.2
15.0	257.4	263.8	277.7	295.9	301.4	295.9	277.7	263.8	257.4	263.8
17.5	255.6	263.3	282.8	305.1	311.3	305.1	282.8	263.3	255.6	263.3
20.0	253.4	262.7	288.4	313.8	320.1	313.8	288.4	262.7	253.4	262.7
22.5	250.8	262.1	293.8	321.1	327.8	321.1	293.8	262.1	250.8	262.1
25.0	247.8	261.5	299.1	328.5	336.9	328.5	299.1	261.5	247.8	261.5
27.5	244.2	260.8	304.3	337.5	349.0	337.5	304.3	260.8	244.2	260.8
30.0	240.0	259.8	309.9	350.0	365.4	350.0	309.9	259.8	240.0	259.8
32.5	235.2	258.4	316.5	365.4	384.5	365.4	316.5	258.4	235.2	258.4
35.0	229.9	256.5	324.1	381.7	402.8	381.7	324.1	256.5	229.9	256.5
37.5	224.1	254.1	332.4	397.3	422.0	397.3	332.4	254.1	224.1	254.1
40.0	217.6	251.3	340.6	416.0	451.3	416.0	340.6	251.3	217.6	251.3
42.5	210.1	248.1	349.0	448.5	507.6	448.5	349.0	248.1	210.1	248.1
45.0	202.0	244.7	360.8	514.1	610.8	514.1	360.8	244.7	202.0	244.7
47.5	193.4	240.8	384.0	617.2	778.1	617.2	384.0	240.8	193.4	240.8
50.0	184.1	236.6	425.4	786.1	893.8	786.1	425.4	236.6	184.1	236.6
52.5	174.5	232.8	502.3	896.9	1029.5	896.9	502.3	232.8	174.5	232.8
55.0	164.4	230.8	595.9	975.6	1032.3	975.6	595.9	230.8	164.4	230.8
57.5	154.2	232.0	702.4	993.0	1014.2	993.0	702.4	232.0	154.2	232.0
60.0	144.3	242.3	778.2	954.4	1006.4	954.4	778.2	242.3	144.3	242.3
62.5	135.0	284.4	816.9	945.9	915.6	945.9	816.9	284.4	135.0	284.4
65.0	126.6	355.0	820.4	857.4	873.6	857.4	820.4	355.0	126.6	355.0
67.5	119.4	447.8	801.7	827.9	842.3	827.9	801.7	447.8	119.4	447.8
70.0	115.3	501.1	756.7	749.2	716.8	749.2	756.7	501.1	115.3	501.1
72.5	114.9	526.0	695.6	670.6	667.1	670.6	695.6	526.0	114.9	526.0
75.0	113.5	525.4	622.9	600.5	587.1	600.5	622.9	525.4	113.5	525.4
77.5	102.6	499.3	547.4	518.8	507.7	518.8	547.4	499.3	102.6	499.3
80.0	84.3	451.1	466.3	439.5	431.4	439.5	466.3	451.1	84.3	451.1
82.5	63.6	393.3	394.4	388.5	392.0	388.5	394.4	393.3	63.6	393.3
85.0	44.6	304.1	332.8	336.5	338.7	336.5	332.8	304.1	44.6	304.1
87.5	27.9	235.3	275.2	275.7	273.4	275.7	275.2	235.3	27.9	235.3
90.0	15.6	181.7	218.4	225.9	237.1	225.9	218.4	181.7	15.6	181.7
92.5	11.4	140.8	169.4	187.6	189.5	187.6	169.4	140.8	11.4	140.8
95.0	9.3	86.6	123.3	132.2	142.4	132.2	123.3	86.6	9.3	86.6
97.5	7.7	46.0	87.8	104.7	115.0	104.7	87.8	46.0	7.7	46.0
100.0	6.4	28.8	74.5	99.8	108.2	99.8	74.5	28.8	6.4	28.8
102.5	5.2	21.9	69.8	95.9	103.5	95.9	69.8	21.9	5.2	21.9
105.0	4.2	18.2	63.5	87.3	93.4	87.3	63.5	18.2	4.2	18.2
107.5	3.5	14.9	50.8	75.4	81.6	75.4	50.8	14.9	3.5	14.9
110.0	3.0	10.5	41.9	65.2	71.2	65.2	41.9	10.5	3.0	10.5
112.5	2.5	5.7	34.2	54.4	59.8	54.4	34.2	5.7	2.5	5.7
115.0	2.1	3.1	27.5	45.4	52.6	45.4	27.5	3.1	2.1	3.1
117.5	1.8	2.5	21.8	38.8	43.7	38.8	21.8	2.5	1.8	2.5
120.0	1.5	2.1	17.0	33.4	38.4	33.4	17.0	2.1	1.5	2.1
122.5	1.2	1.6	12.8	28.7	33.9	28.7	12.8	1.6	1.2	1.6
125.0	1.0	1.3	8.8	24.4	29.4	24.4	8.8	1.3	1.0	1.3
127.5	0.8	1.0	5.4	19.6	24.3	19.6	5.4	1.0	0.8	1.0
130.0	0.6	0.7	2.2	15.1	19.4	15.1	2.2	0.7	0.6	0.7
132.5	0.3	0.4	1.3	10.7	15.1	10.7	1.3	0.4	0.3	0.4

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CANDELA TABULATION - (Cont.)

135.0	0.1	0.1	0.8	6.3	10.4	6.3	0.8	0.1	0.1	0.1
137.5	0.0	0.0	0.5	2.3	5.6	2.3	0.5	0.0	0.0	0.0
140.0	0.0	0.0	0.5	0.6	2.6	0.6	0.5	0.0	0.0	0.0
142.5	0.0	0.0	0.4	0.5	0.6	0.5	0.4	0.0	0.0	0.0
145.0	0.0	0.0	0.4	0.5	0.4	0.5	0.4	0.0	0.0	0.0
147.5	0.0	0.0	0.4	0.5	0.4	0.5	0.4	0.0	0.0	0.0
150.0	0.0	0.0	0.4	0.5	0.4	0.5	0.4	0.0	0.0	0.0
152.5	0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.0	0.0	0.0
155.0	0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.0	0.0	0.0
157.5	0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.0	0.0	0.0
160.0	0.0	0.0	0.5	0.5	0.4	0.5	0.5	0.0	0.0	0.0
162.5	0.1	0.0	0.5	0.5	0.4	0.5	0.5	0.0	0.1	0.0
165.0	0.1	0.1	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.1
167.5	0.1	0.1	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.1
170.0	0.1	0.1	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.1
172.5	0.1	0.1	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.1
175.0	0.1	0.1	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.1
177.5	0.1	0.1	0.5	0.5	0.3	0.5	0.5	0.1	0.1	0.1
180.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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	265.0	265.0	265.0	265.0	265.0	265.0	265.0
2.5	264.7	266.6	266.7	266.6	264.7	265.2	262.3
5.0	265.6	268.7	269.1	268.7	265.6	265.0	261.9
7.5	267.2	272.4	273.9	272.4	267.2	264.9	261.1
10.0	269.7	278.3	281.5	278.3	269.7	264.6	260.1
12.5	273.1	286.5	291.1	286.5	273.1	264.2	258.9
15.0	277.7	295.9	301.4	295.9	277.7	263.8	257.4
17.5	282.8	305.1	311.3	305.1	282.8	263.3	255.6
20.0	288.4	313.8	320.1	313.8	288.4	262.7	253.4
22.5	293.8	321.1	327.8	321.1	293.8	262.1	250.8
25.0	299.1	328.5	336.9	328.5	299.1	261.5	247.8
27.5	304.3	337.5	349.0	337.5	304.3	260.8	244.2
30.0	309.9	350.0	365.4	350.0	309.9	259.8	240.0
32.5	316.5	365.4	384.5	365.4	316.5	258.4	235.2
35.0	324.1	381.7	402.8	381.7	324.1	256.5	229.9
37.5	332.4	397.3	422.0	397.3	332.4	254.1	224.1
40.0	340.6	416.0	451.3	416.0	340.6	251.3	217.6
42.5	349.0	448.5	507.6	448.5	349.0	248.1	210.1
45.0	360.8	514.1	610.8	514.1	360.8	244.7	202.0
47.5	384.0	617.2	778.1	617.2	384.0	240.8	193.4
50.0	425.4	786.1	893.8	786.1	425.4	236.6	184.1
52.5	502.3	896.9	1029.5	896.9	502.3	232.8	174.5
55.0	595.9	975.6	1032.3	975.6	595.9	230.8	164.4
57.5	702.4	993.0	1014.2	993.0	702.4	232.0	154.2
60.0	778.2	954.4	1006.4	954.4	778.2	242.3	144.3
62.5	816.9	945.9	915.6	945.9	816.9	284.4	135.0
65.0	820.4	857.4	873.6	857.4	820.4	355.0	126.6
67.5	801.7	827.9	842.3	827.9	801.7	447.8	119.4
70.0	756.7	749.2	716.8	749.2	756.7	501.1	115.3
72.5	695.6	670.6	667.1	670.6	695.6	526.0	114.9
75.0	622.9	600.5	587.1	600.5	622.9	525.4	113.5
77.5	547.4	518.8	507.7	518.8	547.4	499.3	102.6
80.0	466.3	439.5	431.4	439.5	466.3	451.1	84.3

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CANDELA TABULATION - (Cont.)

82.5	394.4	388.5	392.0	388.5	394.4	393.3	63.6
85.0	332.8	336.5	338.7	336.5	332.8	304.1	44.6
87.5	275.2	275.7	273.4	275.7	275.2	235.3	27.9
90.0	218.4	225.9	237.1	225.9	218.4	181.7	15.6
92.5	169.4	187.6	189.5	187.6	169.4	140.8	11.4
95.0	123.3	132.2	142.4	132.2	123.3	86.6	9.3
97.5	87.8	104.7	115.0	104.7	87.8	46.0	7.7
100.0	74.5	99.8	108.2	99.8	74.5	28.8	6.4
102.5	69.8	95.9	103.5	95.9	69.8	21.9	5.2
105.0	63.5	87.3	93.4	87.3	63.5	18.2	4.2
107.5	50.8	75.4	81.6	75.4	50.8	14.9	3.5
110.0	41.9	65.2	71.2	65.2	41.9	10.5	3.0
112.5	34.2	54.4	59.8	54.4	34.2	5.7	2.5
115.0	27.5	45.4	52.6	45.4	27.5	3.1	2.1
117.5	21.8	38.8	43.7	38.8	21.8	2.5	1.8
120.0	17.0	33.4	38.4	33.4	17.0	2.1	1.5
122.5	12.8	28.7	33.9	28.7	12.8	1.6	1.2
125.0	8.8	24.4	29.4	24.4	8.8	1.3	1.0
127.5	5.4	19.6	24.3	19.6	5.4	1.0	0.8
130.0	2.2	15.1	19.4	15.1	2.2	0.7	0.6
132.5	1.3	10.7	15.1	10.7	1.3	0.4	0.3
135.0	0.8	6.3	10.4	6.3	0.8	0.1	0.1
137.5	0.5	2.3	5.6	2.3	0.5	0.0	0.0
140.0	0.5	0.6	2.6	0.6	0.5	0.0	0.0
142.5	0.4	0.5	0.6	0.5	0.4	0.0	0.0
145.0	0.4	0.5	0.4	0.5	0.4	0.0	0.0
147.5	0.4	0.5	0.4	0.5	0.4	0.0	0.0
150.0	0.4	0.5	0.4	0.5	0.4	0.0	0.0
152.5	0.5	0.5	0.4	0.5	0.5	0.0	0.0
155.0	0.5	0.5	0.4	0.5	0.5	0.0	0.0
157.5	0.5	0.5	0.4	0.5	0.5	0.0	0.0
160.0	0.5	0.5	0.4	0.5	0.5	0.0	0.0
162.5	0.5	0.5	0.4	0.5	0.5	0.0	0.1
165.0	0.5	0.5	0.3	0.5	0.5	0.1	0.1
167.5	0.5	0.5	0.3	0.5	0.5	0.1	0.1
170.0	0.5	0.5	0.3	0.5	0.5	0.1	0.1
172.5	0.5	0.5	0.3	0.5	0.5	0.1	0.1
175.0	0.5	0.5	0.3	0.5	0.5	0.1	0.1
177.5	0.5	0.5	0.3	0.5	0.5	0.1	0.1
180.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	104.96	N.A.	3.50
0-30	242.14	N.A.	8.10
0-40	443.45	N.A.	14.80
0-60	1280.32	N.A.	42.70
0-80	2456.04	N.A.	81.90
0-90	2775.53	N.A.	92.60
10-90	2749.97	N.A.	91.70
20-40	338.49	N.A.	11.30
20-50	646.23	N.A.	21.60
40-70	1466.44	N.A.	48.90
60-80	1175.72	N.A.	39.20
70-80	546.15	N.A.	18.20
80-90	319.49	N.A.	10.70
90-110	180.81	N.A.	6.00
90-120	207.51	N.A.	6.90
90-130	218.77	N.A.	7.30
90-150	221.63	N.A.	7.40
90-180	221.88	N.A.	7.40
110-180	41.07	N.A.	1.40
0-180	2997.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	25.56
10-20	79.41
20-30	137.18
30-40	201.30
40-50	307.74
50-60	529.12
60-70	629.57
70-80	546.15
80-90	319.49
90-100	124.44
100-110	56.37
110-120	26.69
120-130	11.26
130-140	2.65
140-150	0.20
150-160	0.14
160-170	0.09
170-180	0.03

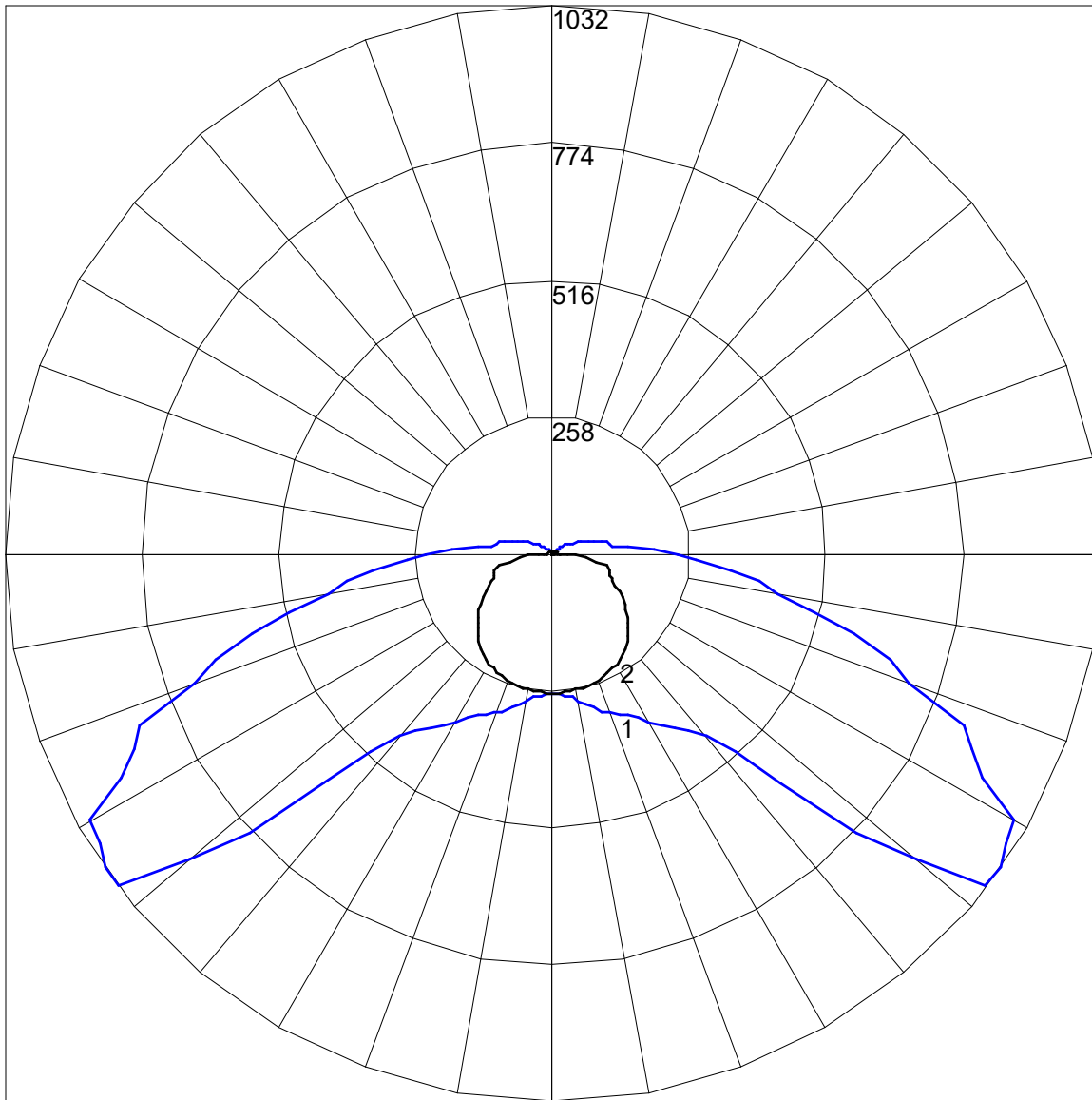
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	93
1	100	93	86	80	96	90	83	78	84	78	74	78	74	70	73	70	67	64
2	87	76	66	57	84	73	64	56	68	60	54	63	57	51	59	53	49	46
3	77	63	52	43	74	61	50	42	56	48	40	52	45	39	49	42	37	34
4	69	54	42	34	66	52	41	33	48	39	32	45	37	30	41	35	29	26
5	63	47	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	28	21	16	14
8	48	33	23	16	46	32	22	16	30	21	15	28	20	14	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 = 1032.3 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)