

Day-Brite



by Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W227L840-UNV-DIM-WHP.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38372.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUE DATE] 9/1/17
[MANUFAC] SIGNIFY DAY-BRITE - CFI
[LUMCAT] V3W227L840-UNV-DIM-WHP
[LUMINAIRE] 2' VAPORLUME
[MORE] 1-LINEP 2.40L6 4000K BOARD 20W DRIVER @529mA PRISMATIC ACRYLIC LENS WIDE OPTICS
[LAMP] LED. LUMINAIRE OUTPUT = 2374 LUMENS
[TEST DATE] 9/1/17
[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	2374
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	19.1
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.36
Spacing Criterion (90-270)	3.36
Spacing Criterion (Diagonal)	2.94
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	2580	3817	5869
55	2561	6700	11137
65	2661	11225	11554
75	3523	11302	9776
85	2981	8807	7434

IES INDOOR REPORT
PHOTOMETRIC FILENAME : V3W227L840-UNV-DIM-WHP.IES

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	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3	207.3
2.5	206.4	207.6	207.2	208.5	208.6	208.5	207.2	207.6	206.4	207.6
5.0	206.0	207.6	208.3	210.6	211.0	210.6	208.3	207.6	206.0	207.6
7.5	205.2	207.7	210.1	214.3	215.3	214.3	210.1	207.7	205.2	207.7
10.0	204.2	207.7	212.6	219.6	221.7	219.6	212.6	207.7	204.2	207.7
12.5	203.0	207.6	216.1	226.7	229.5	226.7	216.1	207.6	203.0	207.6
15.0	201.6	207.4	220.2	234.5	238.2	234.5	220.2	207.4	201.6	207.4
17.5	199.9	207.3	224.8	242.6	246.9	242.6	224.8	207.3	199.9	207.3
20.0	198.0	207.0	229.8	250.1	254.5	250.1	229.8	207.0	198.0	207.0
22.5	195.9	206.7	234.9	256.5	261.3	256.5	234.9	206.7	195.9	206.7
25.0	193.5	206.4	239.4	262.7	268.9	262.7	239.4	206.4	193.5	206.4
27.5	190.8	206.2	243.6	269.8	278.8	269.8	243.6	206.2	190.8	206.2
30.0	187.7	205.9	248.4	280.2	291.9	280.2	248.4	205.9	187.7	205.9
32.5	184.1	205.2	253.5	293.5	307.9	293.5	253.5	205.2	184.1	205.2
35.0	180.2	204.0	259.3	306.7	322.7	306.7	259.3	204.0	180.2	204.0
37.5	175.8	202.4	265.8	318.1	335.3	318.1	265.8	202.4	175.8	202.4
40.0	170.7	200.2	272.2	329.5	351.3	329.5	272.2	200.2	170.7	200.2
42.5	165.1	197.8	278.1	348.6	381.9	348.6	278.1	197.8	165.1	197.8
45.0	158.9	195.2	285.8	384.6	457.5	384.6	285.8	195.2	158.9	195.2
47.5	152.4	192.5	301.1	473.2	532.0	473.2	301.1	192.5	152.4	192.5
50.0	145.7	190.0	329.8	550.5	672.5	550.5	329.8	190.0	145.7	190.0
52.5	138.6	187.9	389.7	687.4	744.2	687.4	389.7	187.9	138.6	187.9
55.0	131.6	187.8	447.5	730.8	783.6	730.8	447.5	187.8	131.6	187.8
57.5	124.7	190.6	559.5	765.3	804.6	765.3	559.5	190.6	124.7	190.6
60.0	118.0	198.7	595.2	750.1	754.0	750.1	595.2	198.7	118.0	198.7
62.5	111.5	236.5	635.6	728.1	744.8	728.1	635.6	236.5	111.5	236.5
65.0	105.5	287.0	636.2	695.0	700.5	695.0	636.2	287.0	105.5	287.0
67.5	100.1	384.2	620.3	654.0	646.4	654.0	620.3	384.2	100.1	384.2
70.0	95.5	407.5	601.1	610.2	604.0	610.2	601.1	407.5	95.5	407.5
72.5	95.2	441.4	559.6	560.9	538.4	560.9	559.6	441.4	95.2	441.4
75.0	94.0	431.9	506.8	505.5	479.5	505.5	506.8	431.9	94.0	431.9
77.5	87.3	425.0	457.7	440.2	412.8	440.2	457.7	425.0	87.3	425.0
80.0	71.5	389.6	393.8	369.1	347.7	369.1	393.8	389.6	71.5	389.6
82.5	53.9	335.4	330.5	327.7	308.5	327.7	330.5	335.4	53.9	335.4
85.0	38.5	267.1	278.7	275.8	267.5	275.8	278.7	267.1	38.5	267.1
87.5	26.0	207.8	224.7	222.4	214.8	222.4	224.7	207.8	26.0	207.8
90.0	16.5	160.8	170.4	167.1	166.9	167.1	170.4	160.8	16.5	160.8
92.5	13.5	114.3	119.0	124.5	119.8	124.5	119.0	114.3	13.5	114.3
95.0	11.1	63.0	79.3	83.9	84.1	83.9	79.3	63.0	11.1	63.0
97.5	9.3	34.1	60.2	73.9	77.2	73.9	60.2	34.1	9.3	34.1
100.0	7.8	24.5	50.7	72.2	76.4	72.2	50.7	24.5	7.8	24.5
102.5	6.6	19.0	48.7	69.2	73.3	69.2	48.7	19.0	6.6	19.0
105.0	5.5	16.6	44.3	63.8	68.0	63.8	44.3	16.6	5.5	16.6
107.5	4.4	13.4	38.8	57.8	62.2	57.8	38.8	13.4	4.4	13.4
110.0	3.5	9.5	33.4	49.4	54.9	49.4	33.4	9.5	3.5	9.5
112.5	2.9	6.1	28.6	43.1	46.6	43.1	28.6	6.1	2.9	6.1
115.0	2.3	3.6	23.3	36.7	39.9	36.7	23.3	3.6	2.3	3.6
117.5	1.8	2.8	17.9	30.4	33.5	30.4	17.9	2.8	1.8	2.8
120.0	1.3	2.1	13.6	24.8	27.8	24.8	13.6	2.1	1.3	2.1
122.5	0.9	1.5	9.6	19.7	22.8	19.7	9.6	1.5	0.9	1.5
125.0	0.5	1.0	6.1	15.2	18.0	15.2	6.1	1.0	0.5	1.0
127.5	0.3	0.6	3.3	11.4	13.9	11.4	3.3	0.6	0.3	0.6
130.0	0.0	0.2	1.3	8.2	10.5	8.2	1.3	0.2	0.0	0.2
132.5	0.0	0.0	0.8	5.2	7.3	5.2	0.8	0.0	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : V3W227L840-UNV-DIM-WHP.IES

CANDELA TABULATION - (Cont.)

135.0	0.0	0.0	0.4	2.3	4.2	2.3	0.4	0.0	0.0	0.0
137.5	0.0	0.0	0.2	0.4	1.4	0.4	0.2	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.2	0.1	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	0.1	0.0	0.1	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	207.3	207.3	207.3	207.3	207.3	207.3	207.3
2.5	207.2	208.5	208.6	208.5	207.2	207.6	206.4
5.0	208.3	210.6	211.0	210.6	208.3	207.6	206.0
7.5	210.1	214.3	215.3	214.3	210.1	207.7	205.2
10.0	212.6	219.6	221.7	219.6	212.6	207.7	204.2
12.5	216.1	226.7	229.5	226.7	216.1	207.6	203.0
15.0	220.2	234.5	238.2	234.5	220.2	207.4	201.6
17.5	224.8	242.6	246.9	242.6	224.8	207.3	199.9
20.0	229.8	250.1	254.5	250.1	229.8	207.0	198.0
22.5	234.9	256.5	261.3	256.5	234.9	206.7	195.9
25.0	239.4	262.7	268.9	262.7	239.4	206.4	193.5
27.5	243.6	269.8	278.8	269.8	243.6	206.2	190.8
30.0	248.4	280.2	291.9	280.2	248.4	205.9	187.7
32.5	253.5	293.5	307.9	293.5	253.5	205.2	184.1
35.0	259.3	306.7	322.7	306.7	259.3	204.0	180.2
37.5	265.8	318.1	335.3	318.1	265.8	202.4	175.8
40.0	272.2	329.5	351.3	329.5	272.2	200.2	170.7
42.5	278.1	348.6	381.9	348.6	278.1	197.8	165.1
45.0	285.8	384.6	457.5	384.6	285.8	195.2	158.9
47.5	301.1	473.2	532.0	473.2	301.1	192.5	152.4
50.0	329.8	550.5	672.5	550.5	329.8	190.0	145.7
52.5	389.7	687.4	744.2	687.4	389.7	187.9	138.6
55.0	447.5	730.8	783.6	730.8	447.5	187.8	131.6
57.5	559.5	765.3	804.6	765.3	559.5	190.6	124.7
60.0	595.2	750.1	754.0	750.1	595.2	198.7	118.0
62.5	635.6	728.1	744.8	728.1	635.6	236.5	111.5
65.0	636.2	695.0	700.5	695.0	636.2	287.0	105.5
67.5	620.3	654.0	646.4	654.0	620.3	384.2	100.1
70.0	601.1	610.2	604.0	610.2	601.1	407.5	95.5
72.5	559.6	560.9	538.4	560.9	559.6	441.4	95.2
75.0	506.8	505.5	479.5	505.5	506.8	431.9	94.0
77.5	457.7	440.2	412.8	440.2	457.7	425.0	87.3
80.0	393.8	369.1	347.7	369.1	393.8	389.6	71.5

IES INDOOR REPORT
PHOTOMETRIC FILENAME : V3W227L840-UNV-DIM-WHP.IES

CANDELA TABULATION - (Cont.)

82.5	330.5	327.7	308.5	327.7	330.5	335.4	53.9
85.0	278.7	275.8	267.5	275.8	278.7	267.1	38.5
87.5	224.7	222.4	214.8	222.4	224.7	207.8	26.0
90.0	170.4	167.1	166.9	167.1	170.4	160.8	16.5
92.5	119.0	124.5	119.8	124.5	119.0	114.3	13.5
95.0	79.3	83.9	84.1	83.9	79.3	63.0	11.1
97.5	60.2	73.9	77.2	73.9	60.2	34.1	9.3
100.0	50.7	72.2	76.4	72.2	50.7	24.5	7.8
102.5	48.7	69.2	73.3	69.2	48.7	19.0	6.6
105.0	44.3	63.8	68.0	63.8	44.3	16.6	5.5
107.5	38.8	57.8	62.2	57.8	38.8	13.4	4.4
110.0	33.4	49.4	54.9	49.4	33.4	9.5	3.5
112.5	28.6	43.1	46.6	43.1	28.6	6.1	2.9
115.0	23.3	36.7	39.9	36.7	23.3	3.6	2.3
117.5	17.9	30.4	33.5	30.4	17.9	2.8	1.8
120.0	13.6	24.8	27.8	24.8	13.6	2.1	1.3
122.5	9.6	19.7	22.8	19.7	9.6	1.5	0.9
125.0	6.1	15.2	18.0	15.2	6.1	1.0	0.5
127.5	3.3	11.4	13.9	11.4	3.3	0.6	0.3
130.0	1.3	8.2	10.5	8.2	1.3	0.2	0.0
132.5	0.8	5.2	7.3	5.2	0.8	0.0	0.0
135.0	0.4	2.3	4.2	2.3	0.4	0.0	0.0
137.5	0.2	0.4	1.4	0.4	0.2	0.0	0.0
140.0	0.0	0.2	0.1	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	0.1	0.0	0.1	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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : V3W227L840-UNV-DIM-WHP.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	82.83	N.A.	3.50
0-30	191.93	N.A.	8.10
0-40	352.39	N.A.	14.80
0-60	995.42	N.A.	41.90
0-80	1947.37	N.A.	82.00
0-90	2213.11	N.A.	93.20
10-90	2193.04	N.A.	92.40
20-40	269.57	N.A.	11.40
20-50	505.52	N.A.	21.30
40-70	1142.78	N.A.	48.10
60-80	951.95	N.A.	40.10
70-80	452.20	N.A.	19.00
80-90	265.74	N.A.	11.20
90-110	130.93	N.A.	5.50
90-120	152.39	N.A.	6.40
90-130	159.86	N.A.	6.70
90-150	161.04	N.A.	6.80
90-180	161.04	N.A.	6.80
110-180	30.11	N.A.	1.30
0-180	2374.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	20.07
10-20	62.76
20-30	109.10
30-40	160.46
40-50	235.95
50-60	407.07
60-70	499.75
70-80	452.20
80-90	265.74
90-100	88.74
100-110	42.19
110-120	21.46
120-130	7.47
130-140	1.17
140-150	0.01
150-160	0.00
160-170	0.00
170-180	0.00

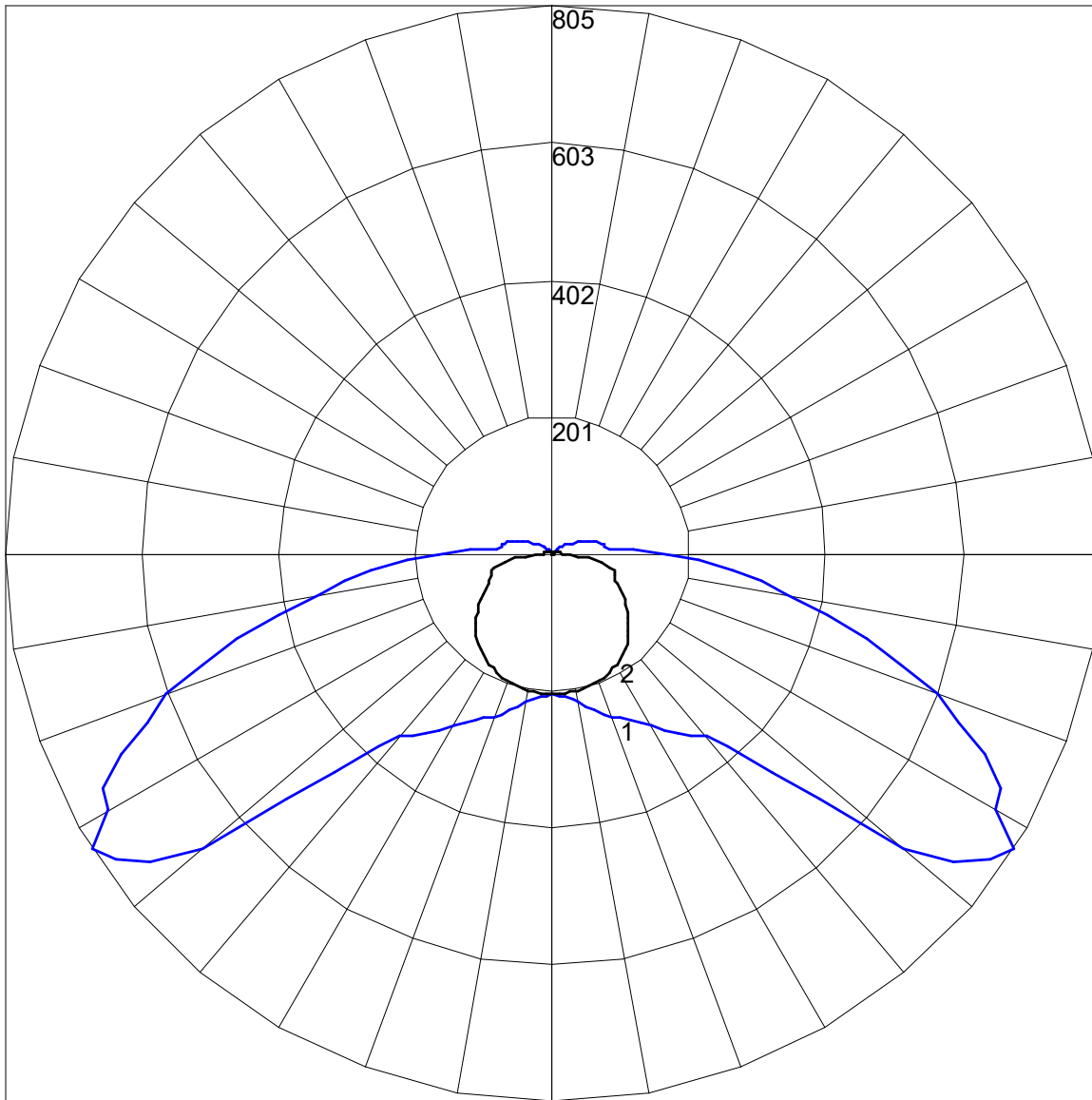
IES INDOOR REPORT
PHOTOMETRIC FILENAME : V3W227L840-UNV-DIM-WHP.IES

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	96	96	96	93
1	100	92	85	79	96	89	83	77	83	78	73	78	74	70	73	70	66	63
2	87	75	65	57	83	72	63	56	67	60	53	63	56	51	59	53	48	45
3	77	63	51	43	74	60	50	42	56	47	40	52	45	38	48	42	37	34
4	69	53	42	33	66	51	41	32	48	38	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	21	37	27	21	34	26	20	32	25	19	16
7	52	36	26	18	50	35	25	18	33	24	17	30	23	17	28	21	16	14
8	48	33	23	16	46	31	22	15	29	21	15	28	20	14	26	19	14	11
9	45	30	20	14	43	29	20	13	27	19	13	25	18	12	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 = 804.6 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)