

Day-Brite



by  Signify

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38717.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 11/13/17
[MANUFAC] DAY-BRITE / CFI
[LUMCAT] 1EVG45L840-4-R-UNV-DIM
[LUMINAIRE] 1X4 EVOGRID 2-LINEP 2.40L6 4000K BOARDS 40W DRIVER 3.16K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 4650.7 LUMENS
[TESTDATE] 11/13/17

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4652
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	134
Total Luminaire Watts	34.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.32
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.56 ft
Luminous Width (90-270)	0.58 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7269	8278	8882
55	6785	8060	8700
65	5835	7654	7495
75	4946	5882	4656
85	3328	1213	1094

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.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	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6
2.5	1633.6	1648.4	1660.4	1670.6	1669.8	1670.6	1660.4	1648.4	1633.6	1648.4
5.0	1626.3	1641.6	1654.8	1666.4	1665.3	1666.4	1654.8	1641.6	1626.3	1641.6
7.5	1614.3	1630.5	1645.4	1658.9	1658.8	1658.9	1645.4	1630.5	1614.3	1630.5
10.0	1598.0	1614.9	1632.7	1647.9	1650.2	1647.9	1632.7	1614.9	1598.0	1614.9
12.5	1577.2	1594.8	1616.3	1634.8	1637.2	1634.8	1616.3	1594.8	1577.2	1594.8
15.0	1551.5	1570.7	1595.8	1617.9	1621.6	1617.9	1595.8	1570.7	1551.5	1570.7
17.5	1522.2	1542.2	1571.8	1597.9	1603.2	1597.9	1571.8	1542.2	1522.2	1542.2
20.0	1488.9	1510.2	1544.0	1575.1	1581.9	1575.1	1544.0	1510.2	1488.9	1510.2
22.5	1451.5	1474.6	1513.2	1548.3	1557.8	1548.3	1513.2	1474.6	1451.5	1474.6
25.0	1410.3	1435.4	1479.4	1519.2	1531.2	1519.2	1479.4	1435.4	1410.3	1435.4
27.5	1366.4	1393.3	1443.5	1487.8	1500.2	1487.8	1443.5	1393.3	1366.4	1393.3
30.0	1318.6	1348.6	1406.0	1454.9	1467.0	1454.9	1406.0	1348.6	1318.6	1348.6
32.5	1267.4	1301.3	1366.0	1417.9	1433.7	1417.9	1366.0	1301.3	1267.4	1301.3
35.0	1214.9	1251.6	1322.0	1377.9	1394.6	1377.9	1322.0	1251.6	1214.9	1251.6
37.5	1161.0	1199.8	1275.7	1335.1	1352.2	1335.1	1275.7	1199.8	1161.0	1199.8
40.0	1105.4	1146.1	1227.9	1288.9	1306.7	1288.9	1227.9	1146.1	1105.4	1146.1
42.5	1047.1	1091.2	1177.2	1239.4	1258.3	1239.4	1177.2	1091.2	1047.1	1091.2
45.0	986.9	1035.1	1123.9	1186.5	1205.9	1186.5	1123.9	1035.1	986.9	1035.1
47.5	926.5	978.0	1067.9	1130.7	1149.8	1130.7	1067.9	978.0	926.5	978.0
50.0	866.2	920.2	1009.8	1071.8	1089.8	1071.8	1009.8	920.2	866.2	920.2
52.5	805.4	861.3	949.9	1009.0	1026.0	1009.0	949.9	861.3	805.4	861.3
55.0	747.2	801.9	887.7	942.7	958.1	942.7	887.7	801.9	747.2	801.9
57.5	687.5	742.2	824.3	873.5	885.2	873.5	824.3	742.2	687.5	742.2
60.0	628.8	682.2	758.7	800.0	805.8	800.0	758.7	682.2	628.8	682.2
62.5	549.7	621.2	690.6	720.5	718.8	720.5	690.6	621.2	549.7	621.2
65.0	473.5	527.3	621.1	634.2	608.2	634.2	621.1	527.3	473.5	527.3
67.5	417.5	466.6	517.3	527.4	515.7	527.4	517.3	466.6	417.5	466.6
70.0	360.7	408.3	443.5	421.6	405.5	421.6	443.5	408.3	360.7	408.3
72.5	300.1	349.8	369.0	333.0	316.2	333.0	369.0	349.8	300.1	349.8
75.0	245.8	291.8	292.3	247.2	231.4	247.2	292.3	291.8	245.8	291.8
77.5	191.0	234.0	214.7	167.9	153.5	167.9	214.7	234.0	191.0	234.0
80.0	139.6	175.1	138.6	96.0	82.0	96.0	138.6	175.1	139.6	175.1
82.5	94.9	114.2	68.3	40.7	40.6	40.7	68.3	114.2	94.9	114.2
85.0	55.7	53.3	20.3	18.7	18.3	18.7	20.3	53.3	55.7	53.3
87.5	24.9	13.2	11.6	10.8	10.9	10.8	11.6	13.2	24.9	13.2
90.0	8.2	6.0	5.9	6.4	6.9	6.4	5.9	6.0	8.2	6.0
92.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.IES

CANDELA TABULATION - (Cont.)

135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	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. 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	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6	1659.6
2.5	1660.4	1670.6	1669.8	1670.6	1660.4	1648.4	1633.6
5.0	1654.8	1666.4	1665.3	1666.4	1654.8	1641.6	1626.3
7.5	1645.4	1658.9	1658.8	1658.9	1645.4	1630.5	1614.3
10.0	1632.7	1647.9	1650.2	1647.9	1632.7	1614.9	1598.0
12.5	1616.3	1634.8	1637.2	1634.8	1616.3	1594.8	1577.2
15.0	1595.8	1617.9	1621.6	1617.9	1595.8	1570.7	1551.5
17.5	1571.8	1597.9	1603.2	1597.9	1571.8	1542.2	1522.2
20.0	1544.0	1575.1	1581.9	1575.1	1544.0	1510.2	1488.9
22.5	1513.2	1548.3	1557.8	1548.3	1513.2	1474.6	1451.5
25.0	1479.4	1519.2	1531.2	1519.2	1479.4	1435.4	1410.3
27.5	1443.5	1487.8	1500.2	1487.8	1443.5	1393.3	1366.4
30.0	1406.0	1454.9	1467.0	1454.9	1406.0	1348.6	1318.6
32.5	1366.0	1417.9	1433.7	1417.9	1366.0	1301.3	1267.4
35.0	1322.0	1377.9	1394.6	1377.9	1322.0	1251.6	1214.9
37.5	1275.7	1335.1	1352.2	1335.1	1275.7	1199.8	1161.0
40.0	1227.9	1288.9	1306.7	1288.9	1227.9	1146.1	1105.4
42.5	1177.2	1239.4	1258.3	1239.4	1177.2	1091.2	1047.1
45.0	1123.9	1186.5	1205.9	1186.5	1123.9	1035.1	986.9
47.5	1067.9	1130.7	1149.8	1130.7	1067.9	978.0	926.5
50.0	1009.8	1071.8	1089.8	1071.8	1009.8	920.2	866.2
52.5	949.9	1009.0	1026.0	1009.0	949.9	861.3	805.4
55.0	887.7	942.7	958.1	942.7	887.7	801.9	747.2
57.5	824.3	873.5	885.2	873.5	824.3	742.2	687.5
60.0	758.7	800.0	805.8	800.0	758.7	682.2	628.8
62.5	690.6	720.5	718.8	720.5	690.6	621.2	549.7
65.0	621.1	634.2	608.2	634.2	621.1	527.3	473.5
67.5	517.3	527.4	515.7	527.4	517.3	466.6	417.5
70.0	443.5	421.6	405.5	421.6	443.5	408.3	360.7
72.5	369.0	333.0	316.2	333.0	369.0	349.8	300.1
75.0	292.3	247.2	231.4	247.2	292.3	291.8	245.8
77.5	214.7	167.9	153.5	167.9	214.7	234.0	191.0
80.0	138.6	96.0	82.0	96.0	138.6	175.1	139.6

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.IES****CANDELA TABULATION - (Cont.)**

82.5	68.3	40.7	40.6	40.7	68.3	114.2	94.9
85.0	20.3	18.7	18.3	18.7	20.3	53.3	55.7
87.5	11.6	10.8	10.9	10.8	11.6	13.2	24.9
90.0	5.9	6.4	6.9	6.4	5.9	6.0	8.2
92.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	606.44	N.A.	13.00
0-30	1286.88	N.A.	27.70
0-40	2108.94	N.A.	45.30
0-60	3743.46	N.A.	80.50
0-80	4600.47	N.A.	98.90
0-90	4651.24	N.A.	100.00
10-90	4494.24	N.A.	96.60
20-40	1502.5	N.A.	32.30
20-50	2358.89	N.A.	50.70
40-70	2207.84	N.A.	47.50
60-80	857.01	N.A.	18.40
70-80	283.69	N.A.	6.10
80-90	50.77	N.A.	1.10
90-110	0.89	N.A.	0.00
90-120	0.89	N.A.	0.00
90-130	0.89	N.A.	0.00
90-150	0.89	N.A.	0.00
90-180	0.89	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	4652.12	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	157.00
10-20	449.44
20-30	680.44
30-40	822.06
40-50	856.39
50-60	778.13
60-70	573.32
70-80	283.69
80-90	50.77
90-100	0.89
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

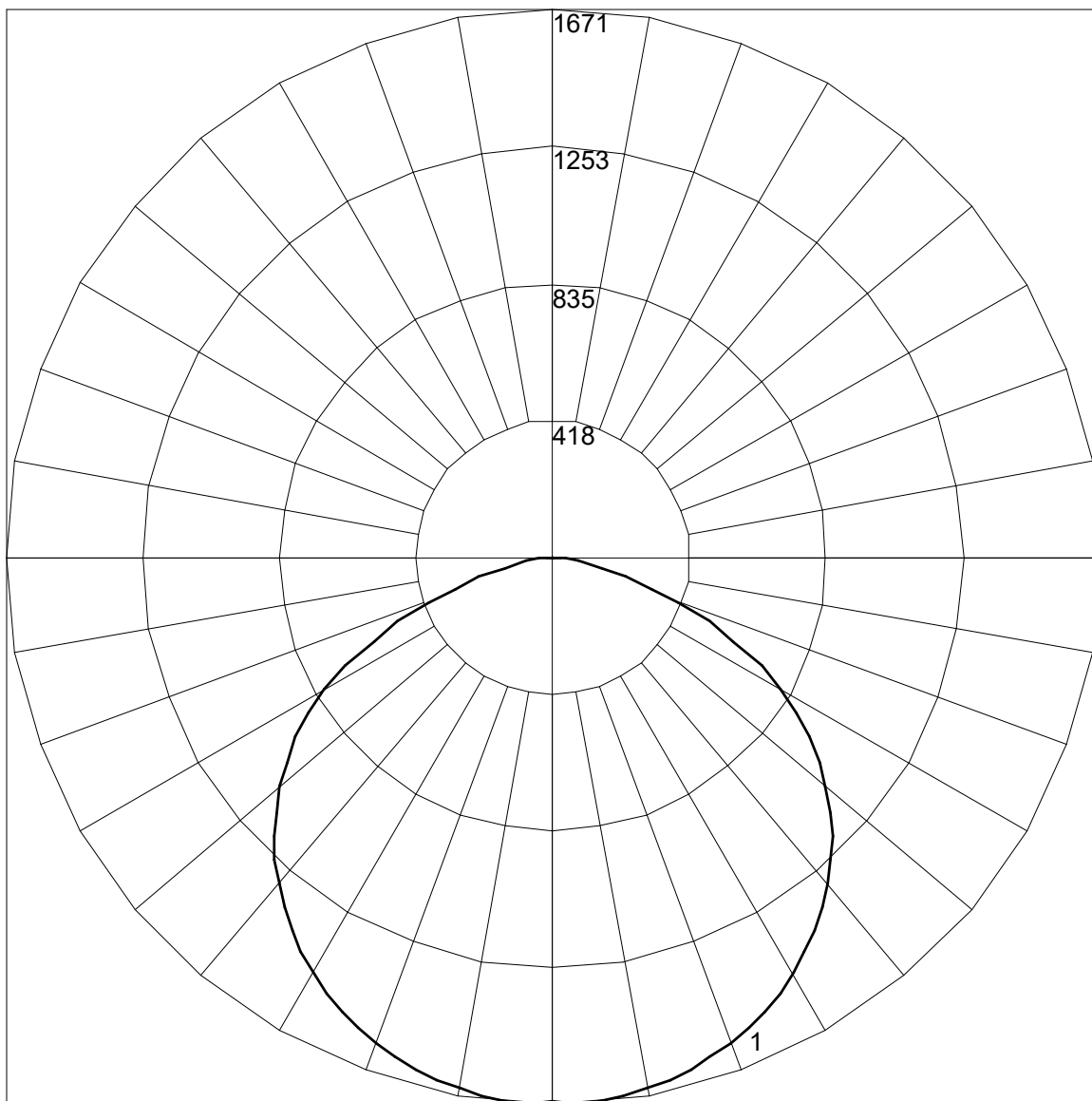
Effective Floor Cavity Reflectance 0.20

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	99	91	85	79	97	89	83	78	86	81	76	83	78	74	79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	59
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	54	48	74	62	54	48	60	53	47	58	52	46	56	51	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	37	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	37	31	26	24

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG45L840-4-IES.IES

POLAR GRAPH



Maximum Candela = 1670.6 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)