

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG38L840-4-IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] FO38716.PSO
 [TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
 [ISSUEDATE] 11/13/17
 [MANUFAC] DAY-BRITE / CFI
 [LUMCAT] 1EVG38L840-4-R-UNV-DIM
 [LUMINAIRE] 1X4 EVOGRID 2-LINEP 2.40L6 4000K BOARDS 40W DRIVER 2.32K RESISTOR
 [LAMP] LED. LUMINAIRE OUTPUT = 3980.2 LUMENS
 [TESTDATE] 11/13/17

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3981
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	29.4
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	6233	7100	7609
55	5810	6921	7448
65	5002	6151	6430
75	4256	5009	4004
85	2868	1064	986

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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	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7
2.5	1399.3	1412.4	1422.5	1430.9	1430.0	1430.9	1422.5	1412.4	1399.3	1412.4
5.0	1393.1	1406.6	1417.8	1427.4	1426.2	1427.4	1417.8	1406.6	1393.1	1406.6
7.5	1383.0	1397.0	1409.8	1421.0	1420.7	1421.0	1409.8	1397.0	1383.0	1397.0
10.0	1369.0	1383.7	1398.8	1411.7	1413.4	1411.7	1398.8	1383.7	1369.0	1383.7
12.5	1351.0	1366.7	1384.9	1400.6	1402.2	1400.6	1384.9	1366.7	1351.0	1366.7
15.0	1329.3	1346.3	1367.4	1386.0	1388.8	1386.0	1367.4	1346.3	1329.3	1346.3
17.5	1304.2	1321.9	1347.2	1369.1	1373.0	1369.1	1347.2	1321.9	1304.2	1321.9
20.0	1275.5	1294.6	1323.3	1349.7	1354.8	1349.7	1323.3	1294.6	1275.5	1294.6
22.5	1243.2	1264.3	1297.1	1326.7	1334.0	1326.7	1297.1	1264.3	1243.2	1264.3
25.0	1208.1	1231.2	1268.3	1301.9	1311.1	1301.9	1268.3	1231.2	1208.1	1231.2
27.5	1170.2	1195.3	1237.7	1275.1	1284.5	1275.1	1237.7	1195.3	1170.2	1195.3
30.0	1129.5	1157.1	1205.7	1246.9	1256.2	1246.9	1205.7	1157.1	1129.5	1157.1
32.5	1086.6	1116.7	1171.3	1215.5	1228.1	1215.5	1171.3	1116.7	1086.6	1116.7
35.0	1041.9	1074.3	1134.0	1181.5	1194.5	1181.5	1134.0	1074.3	1041.9	1074.3
37.5	995.1	1030.2	1094.9	1144.6	1158.2	1144.6	1094.9	1030.2	995.1	1030.2
40.0	946.7	983.8	1053.7	1105.2	1119.2	1105.2	1053.7	983.8	946.7	983.8
42.5	897.0	936.8	1009.6	1063.1	1077.5	1063.1	1009.6	936.8	897.0	936.8
45.0	846.2	889.2	964.0	1017.9	1033.0	1017.9	964.0	889.2	846.2	889.2
47.5	794.8	840.5	916.2	970.1	984.9	970.1	916.2	840.5	794.8	840.5
50.0	742.5	790.7	866.1	919.7	933.4	919.7	866.1	790.7	742.5	790.7
52.5	689.8	740.2	815.0	865.9	878.5	865.9	815.0	740.2	689.8	740.2
55.0	639.9	689.4	762.2	809.5	820.3	809.5	762.2	689.4	639.9	689.4
57.5	571.4	638.3	707.4	750.4	757.7	750.4	707.4	638.3	571.4	638.3
60.0	505.5	586.7	650.8	687.3	690.1	687.3	650.8	586.7	505.5	586.7
62.5	455.8	501.2	592.2	618.7	598.6	618.7	592.2	501.2	455.8	501.2
65.0	405.9	451.9	499.1	528.9	521.8	528.9	499.1	451.9	405.9	451.9
67.5	357.8	401.9	440.6	437.6	426.3	437.6	440.6	401.9	357.8	401.9
70.0	309.2	351.8	379.4	362.4	347.8	362.4	379.4	351.8	309.2	351.8
72.5	257.5	301.8	315.4	285.9	271.4	285.9	315.4	301.8	257.5	301.8
75.0	211.5	252.2	248.9	212.2	199.0	212.2	248.9	252.2	211.5	252.2
77.5	164.6	202.5	182.0	143.5	132.8	143.5	182.0	202.5	164.6	202.5
80.0	120.4	151.7	116.7	81.9	71.9	81.9	116.7	151.7	120.4	151.7
82.5	81.4	98.7	56.9	35.6	36.8	35.6	56.9	98.7	81.4	98.7
85.0	48.0	45.7	17.8	16.7	16.5	16.7	17.8	45.7	48.0	45.7
87.5	22.1	12.0	10.5	10.0	10.1	10.0	10.5	12.0	22.1	12.0
90.0	7.8	5.8	5.7	6.1	6.7	6.1	5.7	5.8	7.8	5.8
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

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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	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7	1421.7
2.5	1422.5	1430.9	1430.0	1430.9	1422.5	1412.4	1399.3
5.0	1417.8	1427.4	1426.2	1427.4	1417.8	1406.6	1393.1
7.5	1409.8	1421.0	1420.7	1421.0	1409.8	1397.0	1383.0
10.0	1398.8	1411.7	1413.4	1411.7	1398.8	1383.7	1369.0
12.5	1384.9	1400.6	1402.2	1400.6	1384.9	1366.7	1351.0
15.0	1367.4	1386.0	1388.8	1386.0	1367.4	1346.3	1329.3
17.5	1347.2	1369.1	1373.0	1369.1	1347.2	1321.9	1304.2
20.0	1323.3	1349.7	1354.8	1349.7	1323.3	1294.6	1275.5
22.5	1297.1	1326.7	1334.0	1326.7	1297.1	1264.3	1243.2
25.0	1268.3	1301.9	1311.1	1301.9	1268.3	1231.2	1208.1
27.5	1237.7	1275.1	1284.5	1275.1	1237.7	1195.3	1170.2
30.0	1205.7	1246.9	1256.2	1246.9	1205.7	1157.1	1129.5
32.5	1171.3	1215.5	1228.1	1215.5	1171.3	1116.7	1086.6
35.0	1134.0	1181.5	1194.5	1181.5	1134.0	1074.3	1041.9
37.5	1094.9	1144.6	1158.2	1144.6	1094.9	1030.2	995.1
40.0	1053.7	1105.2	1119.2	1105.2	1053.7	983.8	946.7
42.5	1009.6	1063.1	1077.5	1063.1	1009.6	936.8	897.0
45.0	964.0	1017.9	1033.0	1017.9	964.0	889.2	846.2
47.5	916.2	970.1	984.9	970.1	916.2	840.5	794.8
50.0	866.1	919.7	933.4	919.7	866.1	790.7	742.5
52.5	815.0	865.9	878.5	865.9	815.0	740.2	689.8
55.0	762.2	809.5	820.3	809.5	762.2	689.4	639.9
57.5	707.4	750.4	757.7	750.4	707.4	638.3	571.4
60.0	650.8	687.3	690.1	687.3	650.8	586.7	505.5
62.5	592.2	618.7	598.6	618.7	592.2	501.2	455.8
65.0	499.1	528.9	521.8	528.9	499.1	451.9	405.9
67.5	440.6	437.6	426.3	437.6	440.6	401.9	357.8
70.0	379.4	362.4	347.8	362.4	379.4	351.8	309.2
72.5	315.4	285.9	271.4	285.9	315.4	301.8	257.5
75.0	248.9	212.2	199.0	212.2	248.9	252.2	211.5
77.5	182.0	143.5	132.8	143.5	182.0	202.5	164.6
80.0	116.7	81.9	71.9	81.9	116.7	151.7	120.4

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82.5	56.9	35.6	36.8	35.6	56.9	98.7	81.4
85.0	17.8	16.7	16.5	16.7	17.8	45.7	48.0
87.5	10.5	10.0	10.1	10.0	10.5	12.0	22.1
90.0	5.7	6.1	6.7	6.1	5.7	5.8	7.8
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

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Zone	Lumens	%Lamp	%Fixt
0-20	519.60	N.A.	13.10
0-30	1102.8	N.A.	27.70
0-40	1807.77	N.A.	45.40
0-60	3209.2	N.A.	80.60
0-80	3936.56	N.A.	98.90
0-90	3980.53	N.A.	100.00
10-90	3846.03	N.A.	96.60
20-40	1288.17	N.A.	32.40
20-50	2022.81	N.A.	50.80
40-70	1885.28	N.A.	47.40
60-80	727.35	N.A.	18.30
70-80	243.50	N.A.	6.10
80-90	43.98	N.A.	1.10
90-110	0.85	N.A.	0.00
90-120	0.85	N.A.	0.00
90-130	0.85	N.A.	0.00
90-150	0.85	N.A.	0.00
90-180	0.85	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3981.38	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.50
10-20	385.10
20-30	583.20
30-40	704.97
40-50	734.64
50-60	666.79
60-70	483.85
70-80	243.50
80-90	43.98
90-100	0.85
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

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

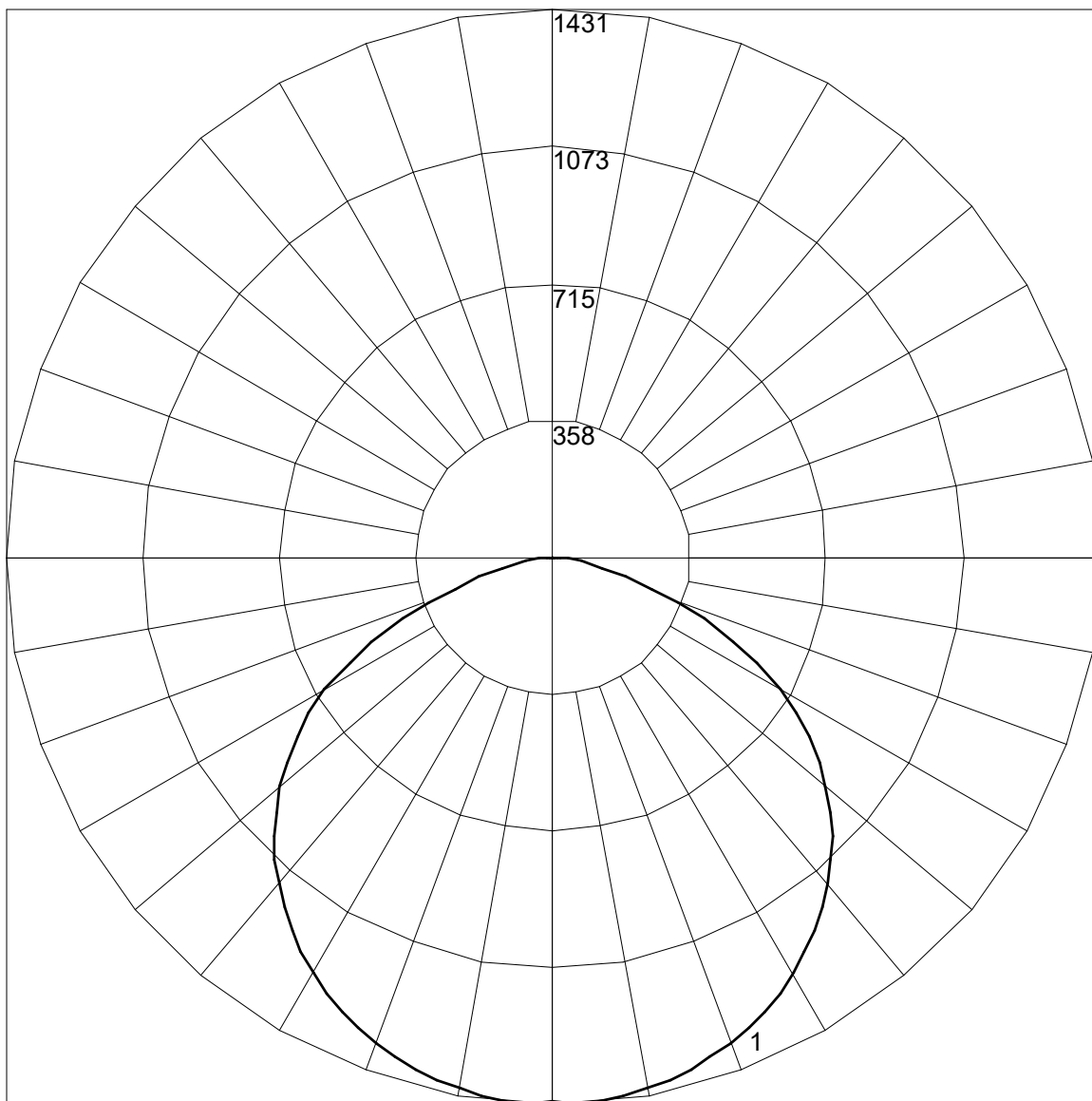
Effective Floor Cavity Reflectance 0.20

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	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	99	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	80	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64	73	67	63	70	66	62	60
4	83	71	62	56	81	70	62	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	47	56	51	46	44
6	70	57	48	42	68	56	48	42	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	47	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	42	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG38L840-4-IES.IES

POLAR GRAPH



Maximum Candela = 1430.9 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)