

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG30L840-4-IES.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] FO38715.PSO
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY
[ISSUEDATE] 11/13/17
[MANUFAC] DAY-BRITE / CFI
[LUMCAT] 1EVG30L840-4-R-UNV-DIM
[LUMINAIRE] 1X4 EVOGRID 2-LINEP 2.40L6 4000K BOARDS 40W DRIVER 1.6K RESISTOR
[LAMP] LED. LUMINAIRE OUTPUT = 3096.5 LUMENS
[TESTDATE] 11/13/17

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3097
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	135
Total Luminaire Watts	22.9
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	4883	5557	5956
55	4268	5409	5833
65	3930	4816	4857
75	3342	3942	3133
85	2313	896	825

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG30L840-4-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	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5	1095.6	1105.5	1113.5	1120.5	1119.3	1120.5	1113.5	1105.5	1095.6	1105.5
5.0	1090.7	1101.3	1109.6	1117.5	1116.7	1117.5	1109.6	1101.3	1090.7	1101.3
7.5	1082.7	1093.8	1103.8	1112.6	1112.3	1112.6	1103.8	1093.8	1082.7	1093.8
10.0	1071.7	1083.4	1095.0	1105.1	1106.3	1105.1	1095.0	1083.4	1071.7	1083.4
12.5	1057.6	1069.6	1084.0	1096.7	1097.4	1096.7	1084.0	1069.6	1057.6	1069.6
15.0	1040.5	1054.1	1070.2	1085.0	1087.0	1085.0	1070.2	1054.1	1040.5	1054.1
17.5	1020.8	1034.8	1054.0	1071.5	1074.8	1071.5	1054.0	1034.8	1020.8	1034.8
20.0	998.5	1013.2	1035.8	1056.7	1060.4	1056.7	1035.8	1013.2	998.5	1013.2
22.5	973.0	989.8	1015.2	1038.7	1044.4	1038.7	1015.2	989.8	973.0	989.8
25.0	945.5	963.6	992.7	1019.1	1026.7	1019.1	992.7	963.6	945.5	963.6
27.5	915.9	935.4	968.7	998.5	1005.8	998.5	968.7	935.4	915.9	935.4
30.0	883.7	905.1	943.6	976.3	983.5	976.3	943.6	905.1	883.7	905.1
32.5	850.7	873.5	917.2	951.7	961.5	951.7	917.2	873.5	850.7	873.5
35.0	815.3	840.6	887.0	925.5	935.1	925.5	887.0	840.6	815.3	840.6
37.5	778.4	805.8	856.7	895.9	906.8	895.9	856.7	805.8	778.4	805.8
40.0	740.9	769.9	824.6	865.5	876.5	865.5	824.6	769.9	740.9	769.9
42.5	702.0	733.1	790.2	832.0	843.8	832.0	790.2	733.1	702.0	733.1
45.0	662.9	695.3	754.4	796.6	808.7	796.6	754.4	695.3	662.9	695.3
47.5	622.3	657.5	717.1	759.4	771.2	759.4	717.1	657.5	622.3	657.5
50.0	563.6	619.0	677.3	719.6	730.7	719.6	677.3	619.0	563.6	619.0
52.5	506.3	579.2	637.6	677.8	687.8	677.8	637.6	579.2	506.3	579.2
55.0	470.0	505.5	595.7	633.3	642.4	633.3	595.7	505.5	470.0	505.5
57.5	432.9	468.1	518.4	569.6	576.5	569.6	518.4	468.1	432.9	468.1
60.0	396.5	430.4	477.2	504.5	525.4	504.5	477.2	430.4	396.5	430.4
62.5	357.9	392.3	434.5	454.9	452.7	454.9	434.5	392.3	357.9	392.3
65.0	318.9	353.9	390.8	400.5	394.1	400.5	390.8	353.9	318.9	353.9
67.5	281.0	315.1	345.1	342.9	333.9	342.9	345.1	315.1	281.0	315.1
70.0	242.6	276.1	297.2	284.1	272.7	284.1	297.2	276.1	242.6	276.1
72.5	201.9	236.9	247.4	224.7	212.6	224.7	247.4	236.9	201.9	236.9
75.0	166.1	197.8	195.9	167.4	155.7	167.4	195.9	197.8	166.1	197.8
77.5	129.5	159.0	144.1	114.4	103.8	114.4	144.1	159.0	129.5	159.0
80.0	95.1	119.4	92.9	66.3	56.6	66.3	92.9	119.4	95.1	119.4
82.5	64.8	78.2	46.2	29.7	29.5	29.7	46.2	78.2	64.8	78.2
85.0	38.7	37.1	15.0	14.1	13.8	14.1	15.0	37.1	38.7	37.1
87.5	18.2	10.4	9.3	8.8	8.8	8.8	9.3	10.4	18.2	10.4
90.0	6.8	5.5	5.6	5.9	6.2	5.9	5.6	5.5	6.8	5.5
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-1EVG30L840-4-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	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0	1113.0
2.5	1113.5	1120.5	1119.3	1120.5	1113.5	1105.5	1095.6
5.0	1109.6	1117.5	1116.7	1117.5	1109.6	1101.3	1090.7
7.5	1103.8	1112.6	1112.3	1112.6	1103.8	1093.8	1082.7
10.0	1095.0	1105.1	1106.3	1105.1	1095.0	1083.4	1071.7
12.5	1084.0	1096.7	1097.4	1096.7	1084.0	1069.6	1057.6
15.0	1070.2	1085.0	1087.0	1085.0	1070.2	1054.1	1040.5
17.5	1054.0	1071.5	1074.8	1071.5	1054.0	1034.8	1020.8
20.0	1035.8	1056.7	1060.4	1056.7	1035.8	1013.2	998.5
22.5	1015.2	1038.7	1044.4	1038.7	1015.2	989.8	973.0
25.0	992.7	1019.1	1026.7	1019.1	992.7	963.6	945.5
27.5	968.7	998.5	1005.8	998.5	968.7	935.4	915.9
30.0	943.6	976.3	983.5	976.3	943.6	905.1	883.7
32.5	917.2	951.7	961.5	951.7	917.2	873.5	850.7
35.0	887.0	925.5	935.1	925.5	887.0	840.6	815.3
37.5	856.7	895.9	906.8	895.9	856.7	805.8	778.4
40.0	824.6	865.5	876.5	865.5	824.6	769.9	740.9
42.5	790.2	832.0	843.8	832.0	790.2	733.1	702.0
45.0	754.4	796.6	808.7	796.6	754.4	695.3	662.9
47.5	717.1	759.4	771.2	759.4	717.1	657.5	622.3
50.0	677.3	719.6	730.7	719.6	677.3	619.0	563.6
52.5	637.6	677.8	687.8	677.8	637.6	579.2	506.3
55.0	595.7	633.3	642.4	633.3	595.7	505.5	470.0
57.5	518.4	569.6	576.5	569.6	518.4	468.1	432.9
60.0	477.2	504.5	525.4	504.5	477.2	430.4	396.5
62.5	434.5	454.9	452.7	454.9	434.5	392.3	357.9
65.0	390.8	400.5	394.1	400.5	390.8	353.9	318.9
67.5	345.1	342.9	333.9	342.9	345.1	315.1	281.0
70.0	297.2	284.1	272.7	284.1	297.2	276.1	242.6
72.5	247.4	224.7	212.6	224.7	247.4	236.9	201.9
75.0	195.9	167.4	155.7	167.4	195.9	197.8	166.1
77.5	144.1	114.4	103.8	114.4	144.1	159.0	129.5
80.0	92.9	66.3	56.6	66.3	92.9	119.4	95.1

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG30L840-4-IES.IES****CANDELA TABULATION - (Cont.)**

82.5	46.2	29.7	29.5	29.7	46.2	78.2	64.8
85.0	15.0	14.1	13.8	14.1	15.0	37.1	38.7
87.5	9.3	8.8	8.8	8.8	9.3	10.4	18.2
90.0	5.6	5.9	6.2	5.9	5.6	5.5	6.8
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG30L840-4-IES.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	406.73	N.A.	13.10
0-30	863.24	N.A.	27.90
0-40	1415.00	N.A.	45.70
0-60	2498.87	N.A.	80.70
0-80	3060.98	N.A.	98.80
0-90	3096.64	N.A.	100.00
10-90	2991.35	N.A.	96.60
20-40	1008.26	N.A.	32.60
20-50	1583.00	N.A.	51.10
40-70	1454.5	N.A.	47.00
60-80	562.10	N.A.	18.10
70-80	191.48	N.A.	6.20
80-90	35.67	N.A.	1.20
90-110	0.81	N.A.	0.00
90-120	0.81	N.A.	0.00
90-130	0.81	N.A.	0.00
90-150	0.81	N.A.	0.00
90-180	0.81	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	3097.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	105.30
10-20	301.44
20-30	456.50
30-40	551.76
40-50	574.74
50-60	509.14
60-70	370.62
70-80	191.48
80-90	35.67
90-100	0.81
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-1EVG30L840-4-IES.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

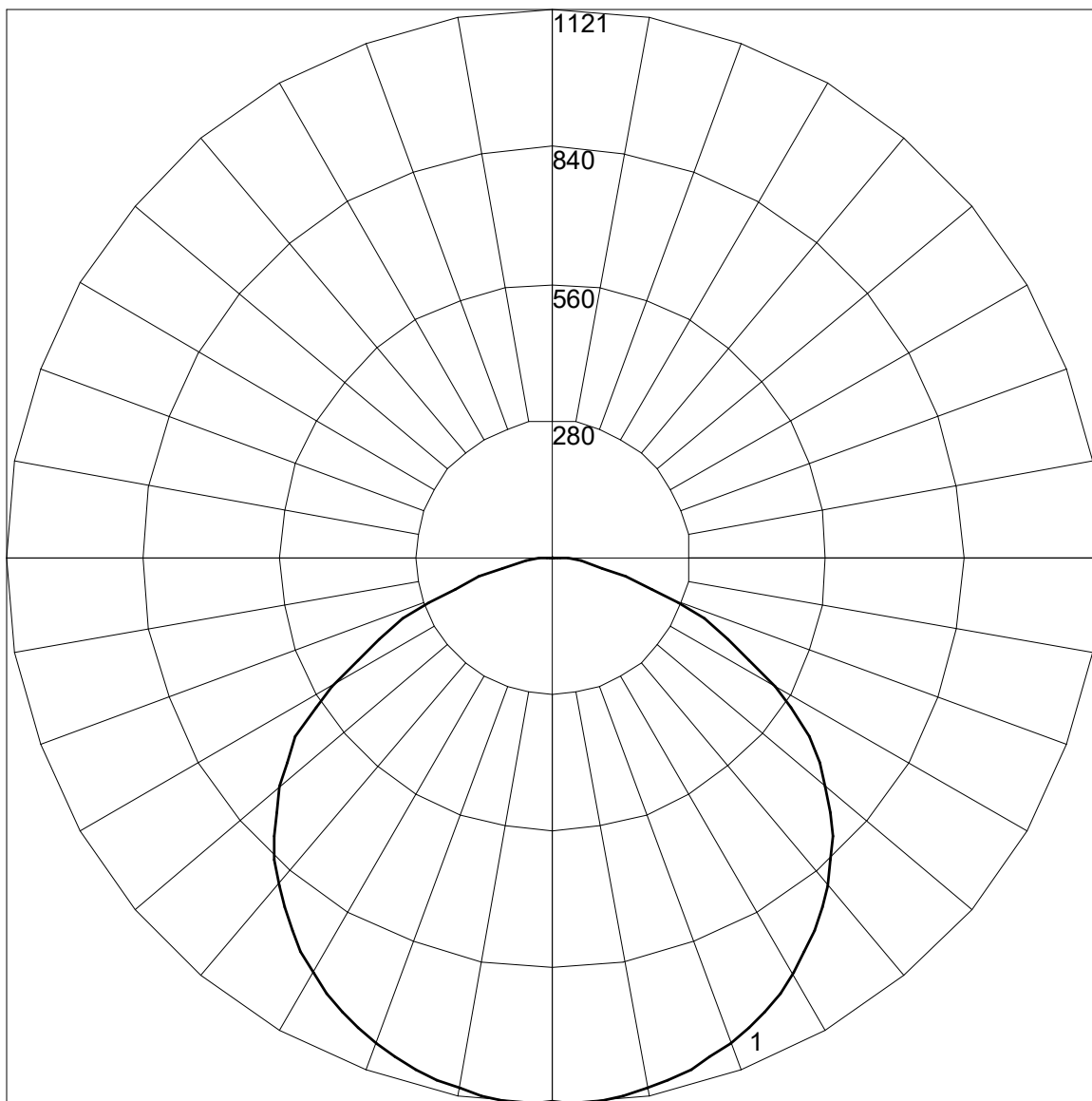
Effective Floor Cavity Reflectance 0.20

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	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	55	65	59	54	63	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	30	42	34	29	41	34	29	40	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	27	37	31	26	25

IES INDOOR REPORT

PHOTOMETRIC FILENAME : DAY_EVOGRID_RECESSED_LED-1EVG30L840-4-IES.IES

POLAR GRAPH



Maximum Candela = 1120.5 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (90 - 270)