

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P568330

Luminaire Tested: **14CGTX-42-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14CGTX-42-L840
Description: 1X4 4200 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

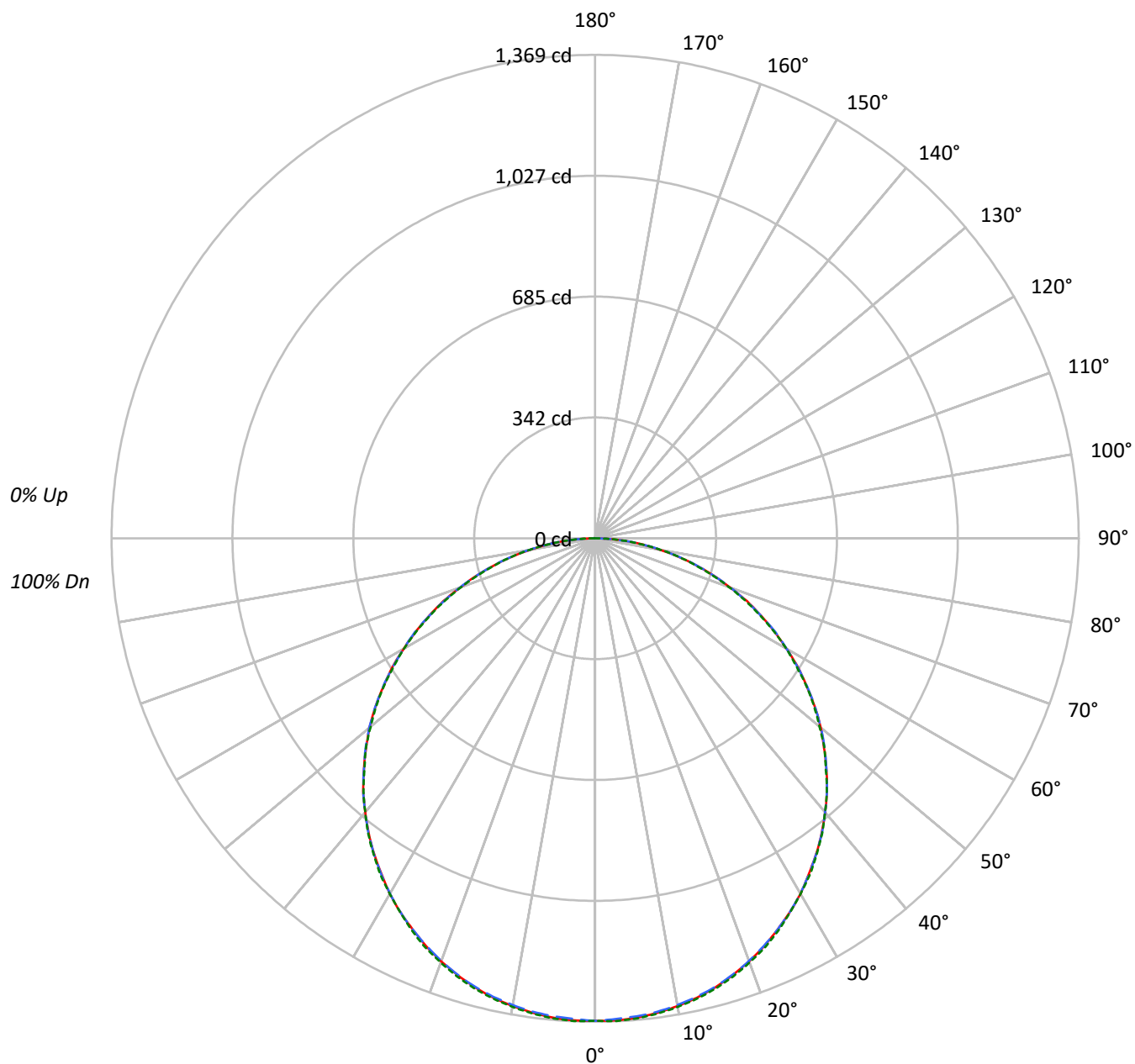
Lumens per Lamp: N/A
Luminaire Lumens: 4040.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83		
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	68		
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57		
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49		
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42		
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37		
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32		
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29		
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26		
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3677	3677	3677
5°	3682	3671	3687
10°	3676	3668	3683
15°	3666	3663	3677
20°	3651	3648	3661
25°	3629	3629	3641
30°	3613	3611	3613
35°	3585	3586	3591
40°	3558	3558	3558
45°	3525	3523	3513
50°	3492	3492	3471
55°	3431	3441	3427
60°	3370	3370	3362
65°	3297	3294	3274
70°	3190	3205	3170
75°	3089	3094	3053
80°	2870	2918	2918
85°	2705	2671	2624



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.5	3.2
10°-20°	371.7	9.2
20°-30°	564.3	14.0
30°-40°	683.3	16.9
40°-50°	714.8	17.7
50°-60°	654.7	16.2
60°-70°	512.0	12.7
70°-80°	313.1	7.8
80°-90°	96.5	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1065.5	26.4
0°-40°	1748.9	43.3
0°-60°	3118.4	77.2
0°-90°	4040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1367	1367	1367	1367	1367	
5°	1363	1363	1359	1364	1365	130
15°	1316	1317	1315	1318	1320	371
25°	1222	1225	1222	1225	1226	564
35°	1091	1092	1092	1093	1093	683
45°	926	928	926	926	923	715
55°	731	736	733	731	730	655
65°	518	520	517	515	514	512
75°	297	296	298	296	294	313
85°	88	84	86	84	85	97
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1366.6	1366.6	1366.6	1366.6	1366.6
2.5°	1366.6	1366.6	1362.5	1367.6	1368.6
5°	1363.0	1363.0	1359.0	1363.5	1365.0
7.5°	1355.4	1355.9	1352.4	1356.9	1357.5
10°	1345.3	1345.8	1342.3	1347.3	1347.8
12.5°	1332.7	1333.2	1330.1	1334.7	1335.2
15°	1315.9	1317.0	1314.9	1318.5	1320.0
17.5°	1296.7	1298.2	1295.7	1300.3	1300.8
20°	1275.0	1275.5	1273.9	1277.5	1278.5
22.5°	1250.2	1251.7	1249.1	1253.7	1255.2
25°	1222.3	1224.8	1222.3	1225.3	1226.4
27.5°	1194.0	1196.0	1194.0	1195.5	1194.5
30°	1162.6	1163.1	1162.1	1162.6	1162.6
32.5°	1126.1	1128.2	1127.2	1129.7	1130.7
35°	1091.2	1091.7	1091.7	1093.2	1093.2
37.5°	1053.3	1053.3	1053.8	1055.3	1055.3
40°	1012.8	1013.8	1012.8	1013.8	1012.8
42.5°	971.8	971.3	971.8	972.3	970.8
45°	926.2	927.7	925.7	925.7	923.2
47.5°	879.2	882.2	881.7	880.2	880.7
50°	834.1	835.1	834.1	832.6	829.0
52.5°	784.0	787.0	784.5	785.0	781.0
55°	731.4	736.4	733.4	731.4	730.4
57.5°	681.3	682.8	679.7	677.2	675.7
60°	626.1	628.1	626.1	624.1	624.6
62.5°	571.9	575.0	575.5	571.4	570.4
65°	517.8	520.3	517.3	515.2	514.2
67.5°	465.1	464.6	462.1	459.6	458.6
70°	405.4	409.0	407.4	407.9	402.9
72.5°	352.3	352.8	351.3	351.3	347.2
75°	297.1	295.6	297.6	295.6	293.6
77.5°	242.4	244.0	243.5	240.9	242.9
80°	185.2	187.3	188.3	186.3	188.3
82.5°	137.2	137.2	136.7	136.7	135.1
85°	87.6	84.5	86.5	84.5	85.0
87.5°	40.0	39.5	37.5	39.0	38.5
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)