

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: P568329

Luminaire Tested: **14CGTX-30-L840**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568329
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-30-L840
Description: 1X4 3000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

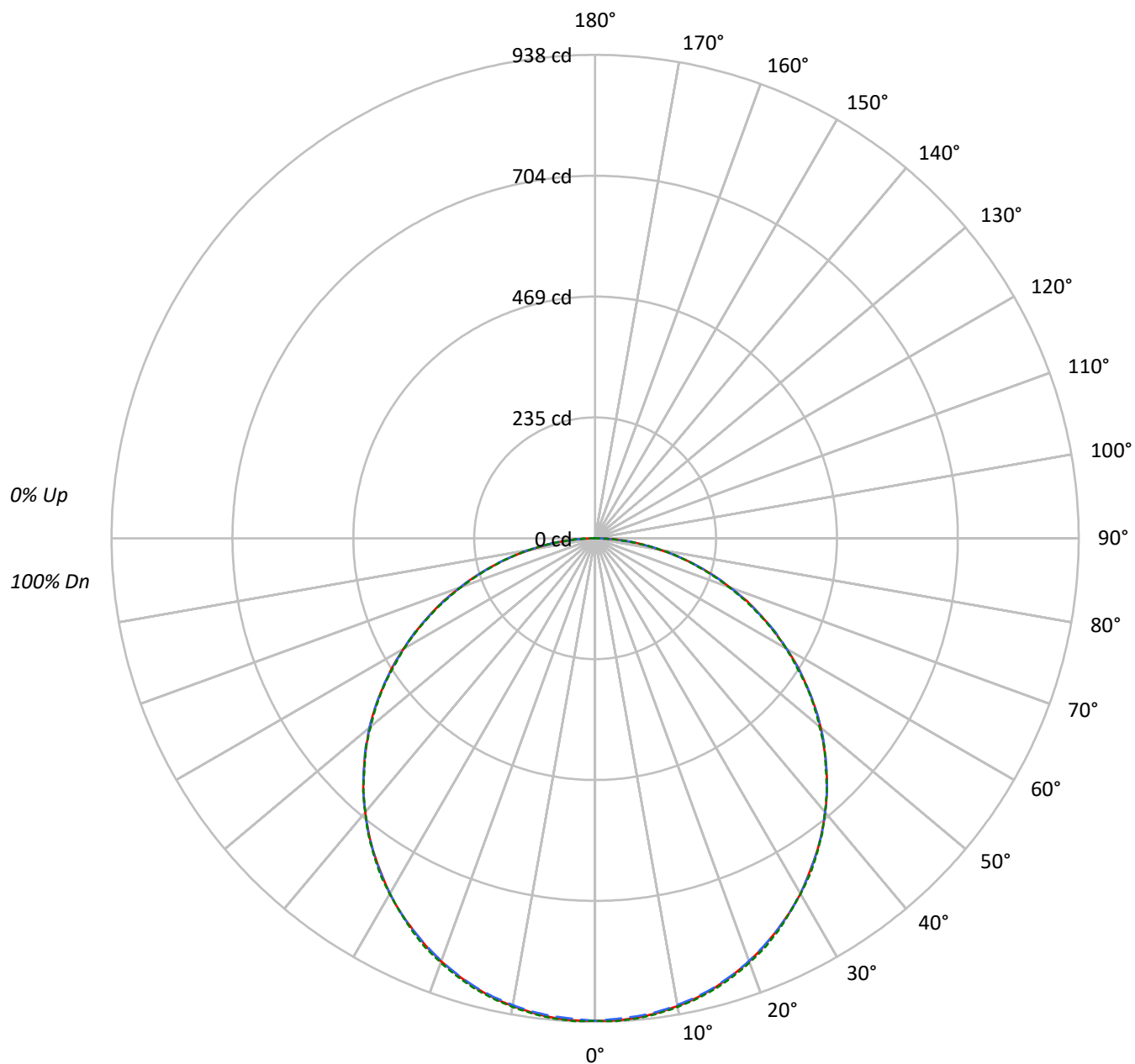
Lumens per Lamp: N/A
Luminaire Lumens: 2768.0 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 23.9
Input Voltage (V): NR
Input Current (A_{in}): 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71
3	89	79	70	63	87	77	69	63	74	67	62	71	65	61	69	64	60
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2520	2520	2520
5°	2523	2515	2526
10°	2519	2513	2523
15°	2512	2510	2520
20°	2501	2499	2509
25°	2487	2487	2495
30°	2475	2474	2475
35°	2456	2457	2461
40°	2438	2438	2438
45°	2415	2414	2407
50°	2393	2393	2378
55°	2351	2358	2348
60°	2309	2309	2303
65°	2259	2257	2243
70°	2186	2197	2172
75°	2117	2120	2091
80°	1967	1999	1999
85°	1853	1831	1800



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	3.2
10°-20°	254.7	9.2
20°-30°	386.6	14.0
30°-40°	468.2	16.9
40°-50°	489.8	17.7
50°-60°	448.6	16.2
60°-70°	350.8	12.7
70°-80°	214.5	7.8
80°-90°	66.1	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°	730.0	26.4
0°-40°	1198.2	43.3
0°-60°	2136.6	77.2
0°-90°	2768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	934	934	931	934	935	89
15°	902	902	901	903	904	254
25°	838	839	838	840	840	386
35°	748	748	748	749	749	468
45°	635	636	634	634	632	490
55°	501	505	502	501	500	449
65°	355	356	354	353	352	351
75°	204	202	204	202	201	215
85°	60	58	59	58	58	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.3	936.3	936.3	936.3	936.3
2.5°	936.3	936.3	933.5	937.0	937.7
5°	933.9	933.9	931.1	934.2	935.3
7.5°	928.7	929.0	926.6	929.7	930.1
10°	921.7	922.1	919.7	923.1	923.5
12.5°	913.1	913.4	911.3	914.5	914.8
15°	901.6	902.3	900.9	903.4	904.4
17.5°	888.4	889.5	887.7	890.9	891.2
20°	873.5	873.9	872.8	875.3	876.0
22.5°	856.5	857.6	855.8	859.0	860.0
25°	837.5	839.2	837.5	839.5	840.2
27.5°	818.0	819.4	818.0	819.1	818.4
30°	796.5	796.9	796.2	796.5	796.5
32.5°	771.6	773.0	772.3	774.0	774.7
35°	747.7	748.0	748.0	749.0	749.0
37.5°	721.6	721.6	722.0	723.0	723.0
40°	693.9	694.6	693.9	694.6	693.9
42.5°	665.8	665.5	665.8	666.2	665.1
45°	634.6	635.6	634.3	634.3	632.5
47.5°	602.4	604.4	604.1	603.0	603.4
50°	571.5	572.2	571.5	570.4	568.0
52.5°	537.2	539.2	537.5	537.9	535.1
55°	501.1	504.6	502.5	501.1	500.4
57.5°	466.8	467.8	465.7	464.0	462.9
60°	429.0	430.4	429.0	427.6	427.9
62.5°	391.9	393.9	394.3	391.5	390.8
65°	354.8	356.5	354.4	353.0	352.3
67.5°	318.7	318.3	316.6	314.9	314.2
70°	277.8	280.2	279.2	279.5	276.0
72.5°	241.4	241.7	240.7	240.7	237.9
75°	203.6	202.5	203.9	202.5	201.1
77.5°	166.1	167.1	166.8	165.1	166.5
80°	126.9	128.3	129.0	127.6	129.0
82.5°	94.0	94.0	93.6	93.6	92.6
85°	60.0	57.9	59.3	57.9	58.3
87.5°	27.4	27.0	25.7	26.7	26.4
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)