

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: P568299

Luminaire Tested: **14CGTX-70HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568299
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-70HE-L840
Description: 1X4 7000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

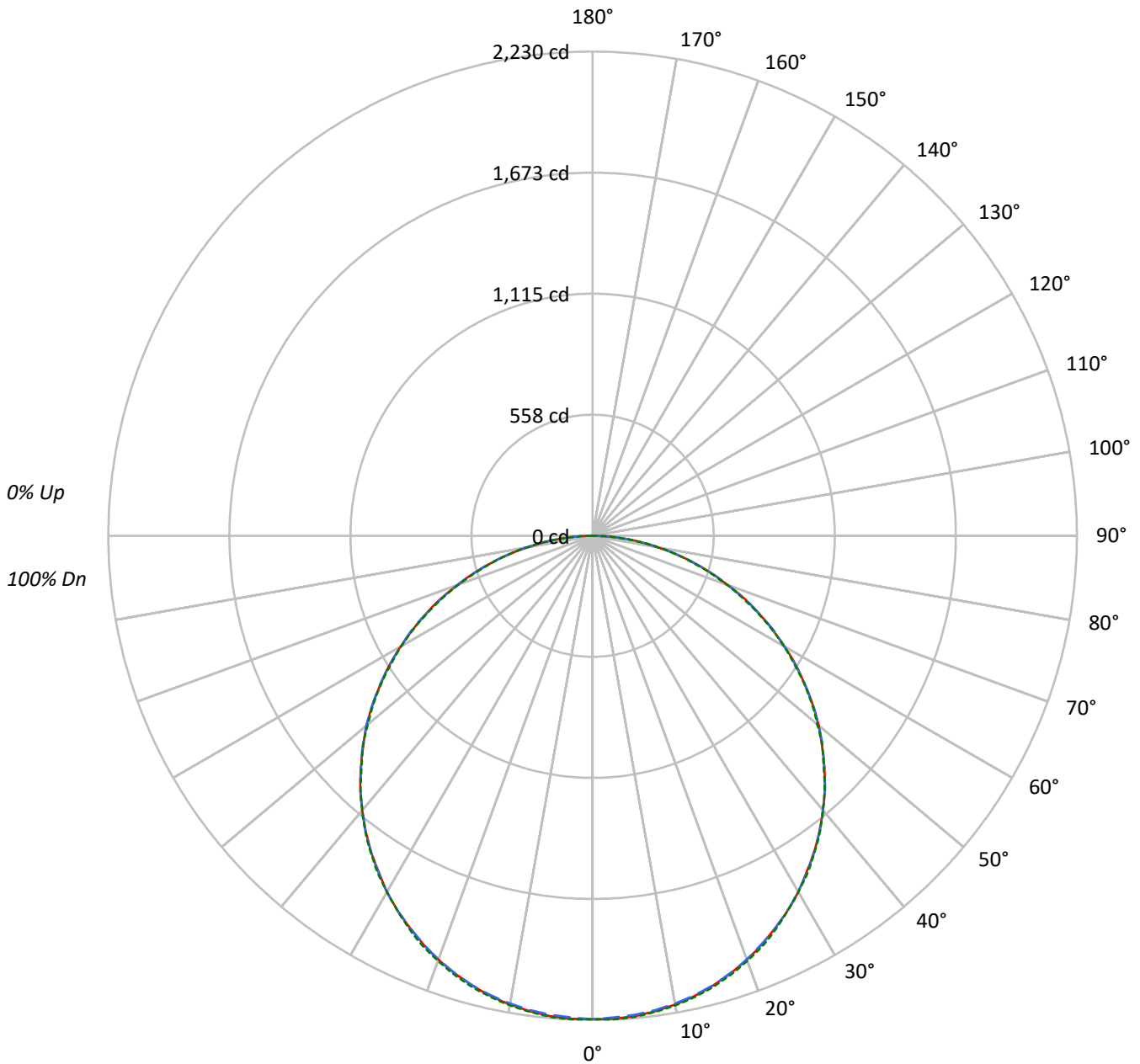
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6583.0 lumens
Efficiency: N/A
Efficacy: 125.4 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): 52.5
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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
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	69			
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°	5992	5992	5992
5°	5999	5982	6008
10°	5990	5977	6001
15°	5974	5969	5992
20°	5949	5944	5966
25°	5914	5914	5933
30°	5886	5884	5886
35°	5841	5844	5852
40°	5797	5797	5797
45°	5743	5740	5725
50°	5690	5690	5655
55°	5591	5606	5583
60°	5491	5491	5477
65°	5372	5367	5335
70°	5198	5223	5165
75°	5033	5042	4973
80°	4677	4754	4754
85°	4406	4353	4279



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	3.2
10°-20°	605.6	9.2
20°-30°	919.6	14.0
30°-40°	1113.5	16.9
40°-50°	1164.8	17.7
50°-60°	1066.8	16.2
60°-70°	834.4	12.7
70°-80°	510.2	7.8
80°-90°	157.1	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°	1736.2	26.4
0°-40°	2849.7	43.3
0°-60°	5081.3	77.2
0°-90°	6583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2227	2227	2227	2227	2227	
5°	2221	2221	2214	2222	2224	211
15°	2144	2146	2143	2148	2151	605
25°	1992	1996	1992	1997	1998	919
35°	1778	1779	1779	1781	1781	1112
45°	1509	1512	1508	1508	1504	1164
55°	1192	1200	1195	1192	1190	1067
65°	844	848	843	840	838	835
75°	484	482	485	482	478	510
85°	143	138	141	138	139	158
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2226.8	2226.8	2226.8	2226.8	2226.8
2.5°	2226.8	2226.8	2220.2	2228.4	2230.0
5°	2221.0	2221.0	2214.4	2221.8	2224.3
7.5°	2208.6	2209.4	2203.7	2211.1	2211.9
10°	2192.1	2192.9	2187.2	2195.4	2196.2
12.5°	2171.5	2172.3	2167.4	2174.8	2175.6
15°	2144.3	2145.9	2142.6	2148.4	2150.9
17.5°	2112.9	2115.4	2111.3	2118.7	2119.5
20°	2077.5	2078.3	2075.8	2081.6	2083.2
22.5°	2037.1	2039.5	2035.4	2042.8	2045.3
25°	1991.7	1995.8	1991.7	1996.7	1998.3
27.5°	1945.5	1948.8	1945.5	1948.0	1946.3
30°	1894.4	1895.2	1893.6	1894.4	1894.4
32.5°	1835.0	1838.3	1836.7	1840.8	1842.4
35°	1778.1	1778.9	1778.9	1781.4	1781.4
37.5°	1716.2	1716.2	1717.1	1719.5	1719.5
40°	1650.3	1651.9	1650.3	1651.9	1650.3
42.5°	1583.5	1582.6	1583.5	1584.3	1581.8
45°	1509.2	1511.7	1508.4	1508.4	1504.3
47.5°	1432.5	1437.5	1436.7	1434.2	1435.0
50°	1359.1	1360.8	1359.1	1356.7	1350.9
52.5°	1277.5	1282.4	1278.3	1279.1	1272.5
55°	1191.7	1200.0	1195.0	1191.7	1190.1
57.5°	1110.1	1112.6	1107.6	1103.5	1101.0
60°	1020.2	1023.5	1020.2	1016.9	1017.7
62.5°	931.9	936.9	937.7	931.1	929.5
65°	843.7	847.8	842.9	839.6	837.9
67.5°	757.9	757.1	753.0	748.8	747.2
70°	660.6	666.4	663.9	664.7	656.5
72.5°	574.0	574.8	572.4	572.4	565.8
75°	484.1	481.6	484.9	481.6	478.3
77.5°	395.0	397.5	396.7	392.6	395.9
80°	301.8	305.1	306.8	303.5	306.8
82.5°	223.5	223.5	222.7	222.7	220.2
85°	142.7	137.7	141.0	137.7	138.6
87.5°	65.2	64.3	61.0	63.5	62.7
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)