

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: P568304

Luminaire Tested: **14CGTX-70HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568304
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-L940
Description: 1X4 7000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

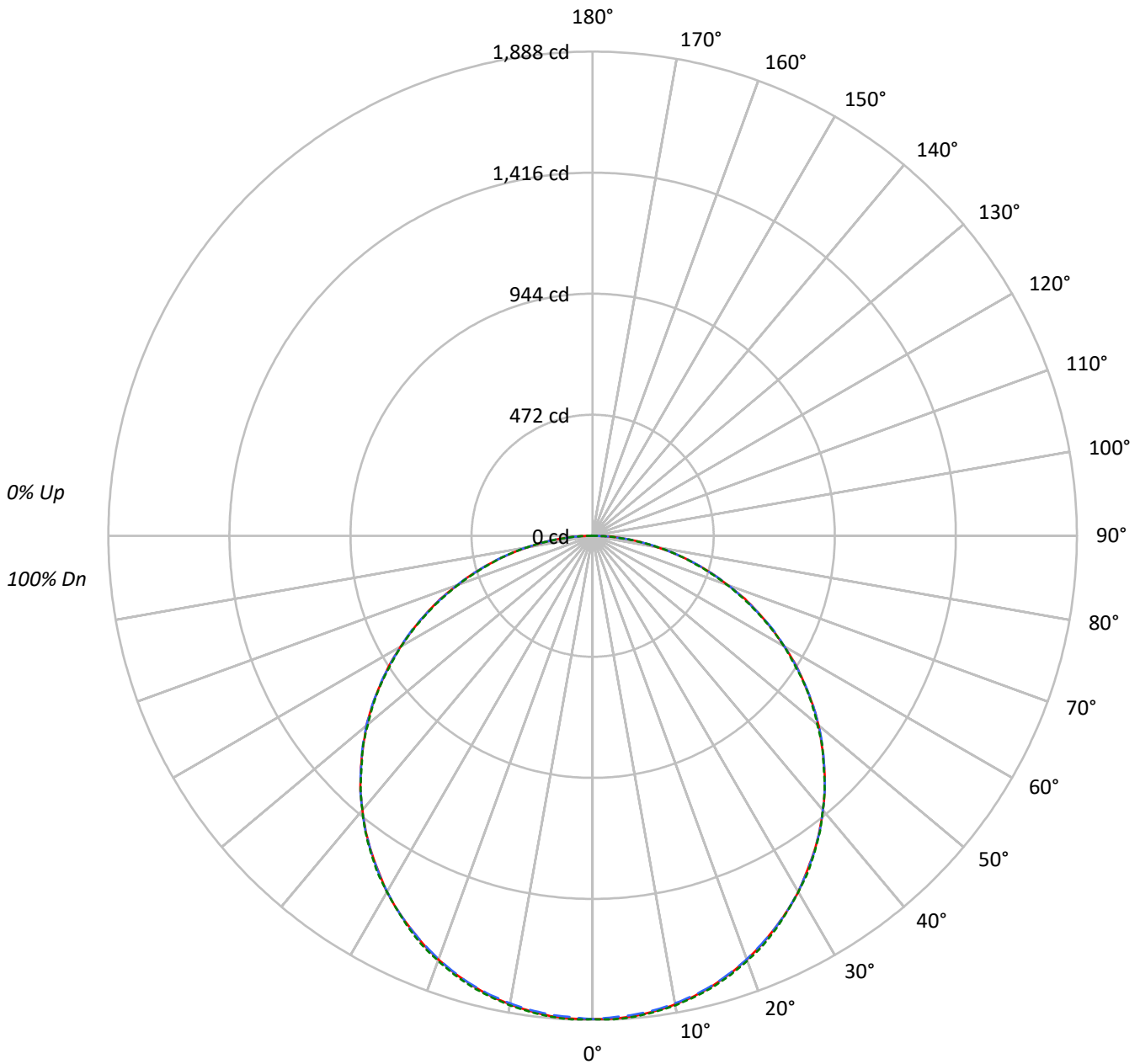
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5572.0 lumens
Efficiency: N/A
Efficacy: 106.1 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	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°	5072	5072	5072
5°	5078	5063	5086
10°	5070	5059	5079
15°	5056	5053	5072
20°	5035	5031	5050
25°	5005	5005	5022
30°	4983	4980	4983
35°	4944	4946	4953
40°	4907	4907	4907
45°	4862	4859	4846
50°	4816	4816	4787
55°	4732	4746	4726
60°	4647	4647	4636
65°	4547	4543	4516
70°	4399	4421	4372
75°	4261	4268	4210
80°	3959	4025	4025
85°	3730	3687	3622



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.6	3.2
10°-20°	512.6	9.2
20°-30°	778.3	14.0
30°-40°	942.5	16.9
40°-50°	985.9	17.7
50°-60°	903.0	16.2
60°-70°	706.2	12.7
70°-80°	431.9	7.8
80°-90°	133.0	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°	1469.6	26.4
0°-40°	2412.0	43.3
0°-60°	4300.9	77.2
0°-90°	5572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1885	1885	1885	1885	1885	
5°	1880	1880	1874	1881	1883	179
15°	1815	1816	1814	1818	1821	512
25°	1686	1689	1686	1690	1691	778
35°	1505	1506	1506	1508	1508	942
45°	1278	1280	1277	1277	1273	986
55°	1009	1016	1012	1009	1007	903
65°	714	718	713	711	709	707
75°	410	408	410	408	405	432
85°	121	117	119	117	117	134
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1884.8	1884.8	1884.8	1884.8	<i>1884.8</i>
2.5°	<i>1884.8</i>	<i>1884.8</i>	<i>1879.2</i>	<i>1886.2</i>	<i>1887.6</i>
5°	1879.9	1879.9	1874.3	1880.6	<i>1882.7</i>
7.5°	1869.4	1870.1	1865.2	1871.5	<i>1872.2</i>
10°	1855.5	1856.2	1851.3	1858.2	<i>1858.9</i>
12.5°	1838.0	1838.7	1834.5	1840.8	<i>1841.5</i>
15°	1815.0	1816.4	1813.6	1818.5	<i>1820.6</i>
17.5°	1788.4	1790.5	1787.0	1793.3	<i>1794.0</i>
20°	1758.4	1759.1	1757.0	1761.9	<i>1763.3</i>
22.5°	1724.2	1726.3	1722.8	1729.1	<i>1731.2</i>
25°	1685.8	1689.3	1685.8	1690.0	<i>1691.4</i>
27.5°	1646.7	1649.5	1646.7	1648.8	<i>1647.4</i>
30°	1603.5	1604.2	1602.8	1603.5	<i>1603.5</i>
32.5°	1553.2	1556.0	1554.6	1558.1	<i>1559.5</i>
35°	1505.0	1505.7	1505.7	1507.8	<i>1507.8</i>
37.5°	1452.7	1452.7	1453.4	1455.5	<i>1455.5</i>
40°	1396.8	1398.2	1396.8	1398.2	<i>1396.8</i>
42.5°	1340.3	1339.6	1340.3	1341.0	<i>1338.9</i>
45°	1277.5	1279.6	1276.8	1276.8	<i>1273.3</i>
47.5°	1212.5	1216.7	1216.0	1213.9	<i>1214.6</i>
50°	1150.4	1151.8	1150.4	1148.3	<i>1143.4</i>
52.5°	1081.3	1085.5	1082.0	1082.7	<i>1077.1</i>
55°	1008.7	1015.7	1011.5	1008.7	<i>1007.3</i>
57.5°	939.6	941.7	937.5	934.0	<i>931.9</i>
60°	863.5	866.3	863.5	860.7	<i>861.4</i>
62.5°	788.8	793.0	793.7	788.1	<i>786.7</i>
65°	714.1	717.6	713.4	710.6	<i>709.2</i>
67.5°	641.5	640.8	637.3	633.8	<i>632.4</i>
70°	559.1	564.0	561.9	562.6	<i>555.7</i>
72.5°	485.9	486.6	484.5	484.5	<i>478.9</i>
75°	409.8	407.7	410.5	407.7	<i>404.9</i>
77.5°	334.4	336.5	335.8	332.3	<i>335.1</i>
80°	255.5	258.3	259.7	256.9	<i>259.7</i>
82.5°	189.2	189.2	188.5	188.5	<i>186.4</i>
85°	120.8	116.6	119.4	116.6	<i>117.3</i>
87.5°	55.1	54.4	51.7	53.8	<i>53.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)