

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: P568294

Luminaire Tested: **14CGTX-70HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568294
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-L935
Description: 1X4 7000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

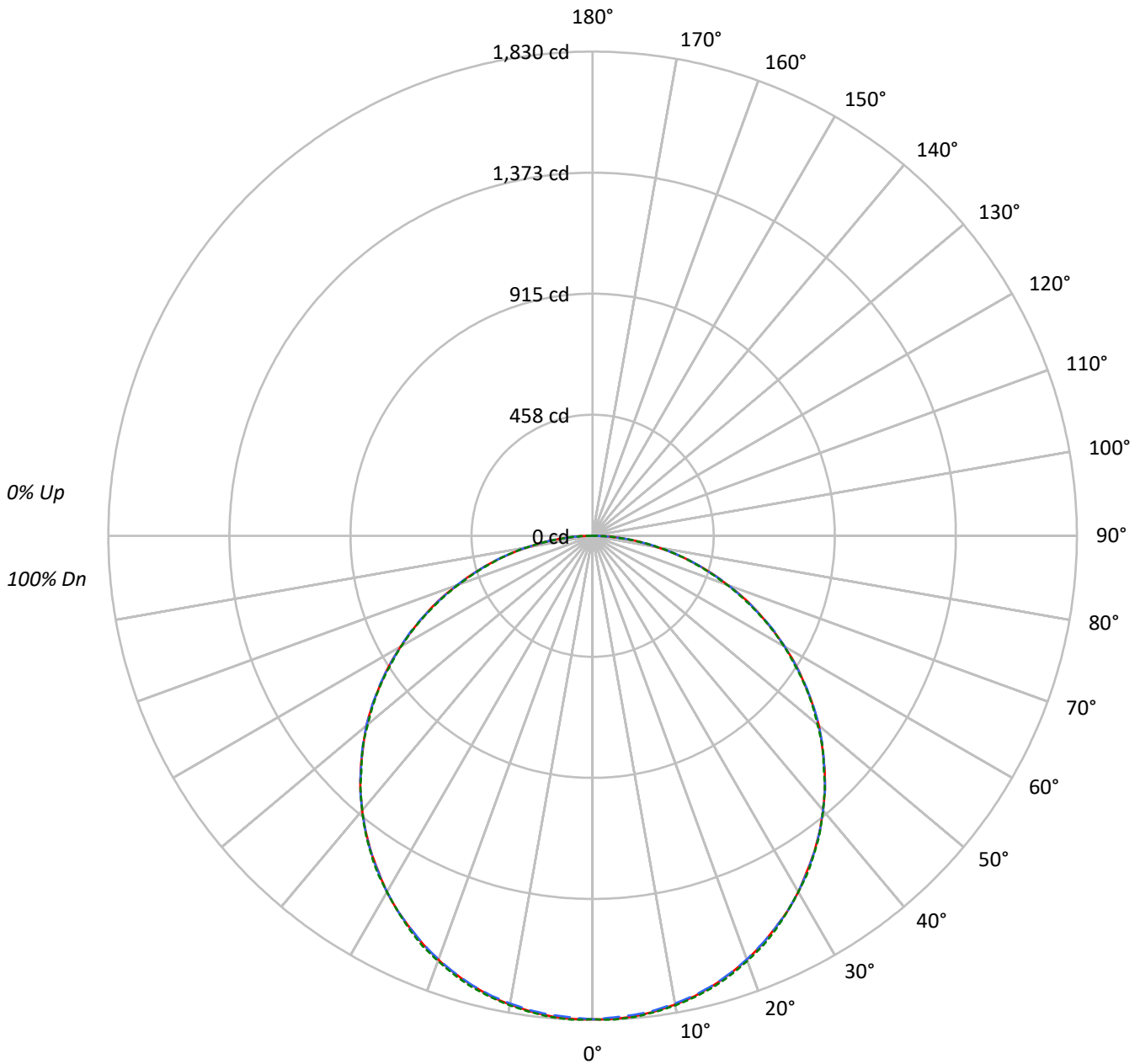
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5403.0 lumens
Efficiency: N/A
Efficacy: 102.9 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									
RC	80									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°	4918	4918	4918
5°	4924	4910	4931
10°	4916	4905	4926
15°	4903	4899	4918
20°	4883	4879	4896
25°	4854	4854	4870
30°	4831	4829	4831
35°	4794	4797	4803
40°	4758	4758	4758
45°	4714	4711	4698
50°	4670	4670	4641
55°	4589	4601	4583
60°	4506	4506	4496
65°	4409	4405	4379
70°	4266	4287	4239
75°	4131	4138	4082
80°	3839	3902	3902
85°	3616	3572	3511



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	3.2
10°-20°	497.1	9.2
20°-30°	754.7	14.0
30°-40°	913.9	16.9
40°-50°	956.0	17.7
50°-60°	875.6	16.2
60°-70°	684.8	12.7
70°-80°	418.8	7.8
80°-90°	129.0	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°	1425.0	26.4
0°-40°	2338.9	43.3
0°-60°	4170.5	77.2
0°-90°	5403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5403.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1828	1828	1828	1828	1828	
5°	1823	1823	1818	1824	1826	173
15°	1760	1761	1759	1763	1765	497
25°	1635	1638	1635	1639	1640	754
35°	1459	1460	1460	1462	1462	913
45°	1239	1241	1238	1238	1235	956
55°	978	985	981	978	977	876
65°	692	696	692	689	688	685
75°	397	395	398	395	393	419
85°	117	113	116	113	114	130
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1827.6	1827.6	1827.6	1827.6	1827.6
2.5°	1827.6	1827.6	1822.2	1829.0	1830.3
5°	1822.9	1822.9	1817.5	1823.5	1825.6
7.5°	1812.7	1813.4	1808.7	1814.7	1815.4
10°	1799.2	1799.9	1795.1	1801.9	1802.6
12.5°	1782.3	1782.9	1778.9	1785.0	1785.6
15°	1759.9	1761.3	1758.6	1763.3	1765.3
17.5°	1734.2	1736.2	1732.8	1738.9	1739.6
20°	1705.1	1705.8	1703.7	1708.5	1709.8
22.5°	1671.9	1674.0	1670.6	1676.7	1678.7
25°	1634.7	1638.1	1634.7	1638.8	1640.1
27.5°	1596.8	1599.5	1596.8	1598.8	1597.5
30°	1554.8	1555.5	1554.1	1554.8	1554.8
32.5°	1506.1	1508.8	1507.4	1510.8	1512.2
35°	1459.4	1460.1	1460.1	1462.1	1462.1
37.5°	1408.6	1408.6	1409.3	1411.3	1411.3
40°	1354.5	1355.8	1354.5	1355.8	1354.5
42.5°	1299.6	1299.0	1299.6	1300.3	1298.3
45°	1238.7	1240.7	1238.0	1238.0	1234.6
47.5°	1175.8	1179.8	1179.1	1177.1	1177.8
50°	1115.5	1116.9	1115.5	1113.5	1108.7
52.5°	1048.5	1052.6	1049.2	1049.9	1044.4
55°	978.1	984.9	980.8	978.1	976.8
57.5°	911.1	913.1	909.1	905.7	903.6
60°	837.3	840.0	837.3	834.6	835.3
62.5°	764.9	768.9	769.6	764.2	762.9
65°	692.5	695.8	691.8	689.1	687.7
67.5°	622.1	621.4	618.0	614.6	613.3
70°	542.2	546.9	544.9	545.6	538.8
72.5°	471.1	471.8	469.8	469.8	464.3
75°	397.3	395.3	398.0	395.3	392.6
77.5°	324.2	326.3	325.6	322.2	324.9
80°	247.7	250.4	251.8	249.1	251.8
82.5°	183.4	183.4	182.8	182.8	180.7
85°	117.1	113.0	115.7	113.0	113.7
87.5°	53.5	52.8	50.1	52.1	51.4
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)