

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: P568314

Luminaire Tested: **14CGTX-70HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568314
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-L950
Description: 1X4 7000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

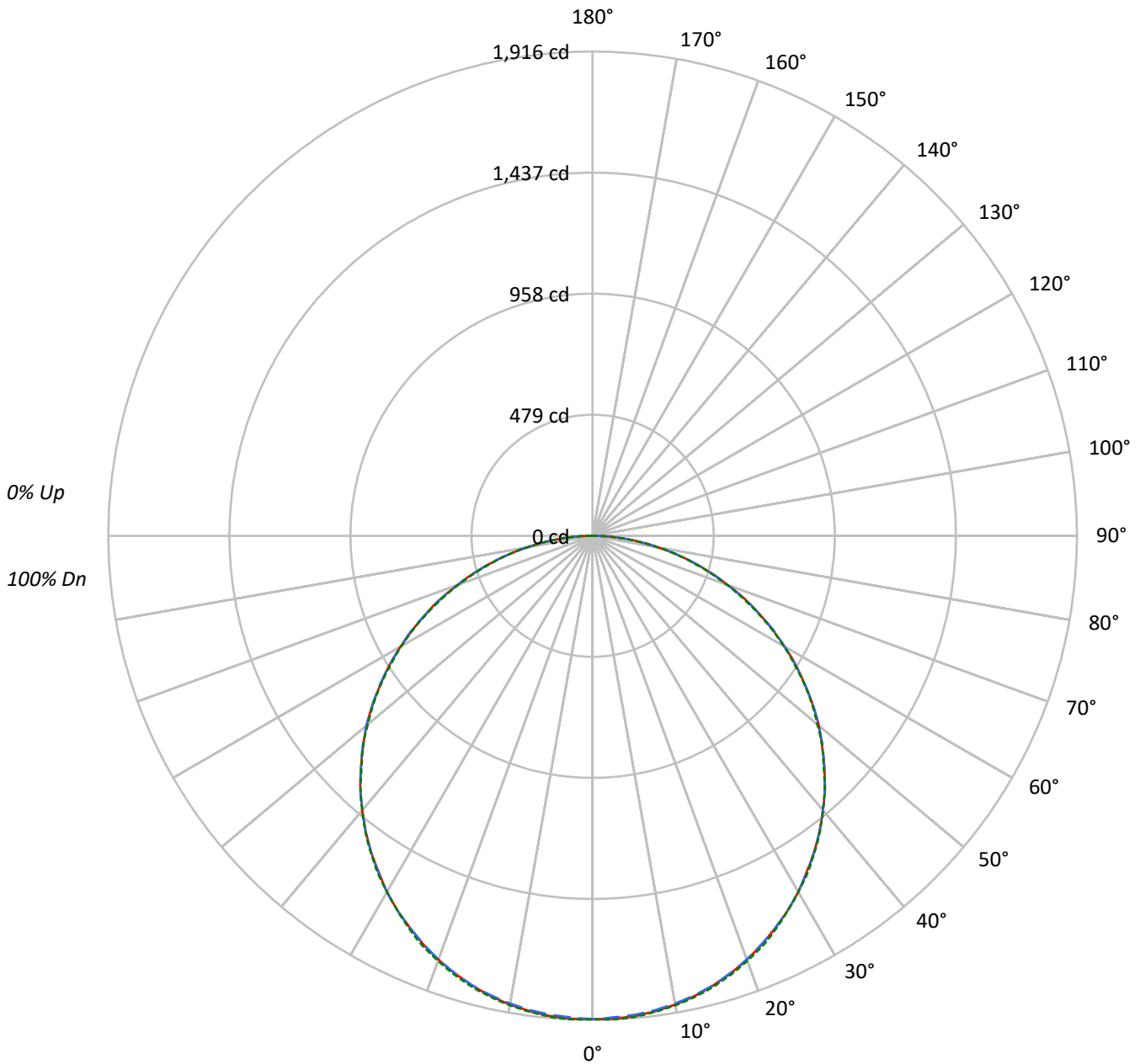
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5656.0 lumens
Efficiency: N/A
Efficacy: 107.7 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°	5148	5148	5148
5°	5155	5139	5162
10°	5146	5135	5156
15°	5132	5129	5148
20°	5111	5107	5126
25°	5081	5081	5098
30°	5057	5055	5057
35°	5019	5021	5028
40°	4981	4981	4981
45°	4935	4932	4919
50°	4889	4889	4859
55°	4804	4817	4797
60°	4717	4717	4706
65°	4616	4611	4584
70°	4466	4488	4437
75°	4324	4331	4273
80°	4018	4085	4085
85°	3785	3742	3674



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	3.2
10°-20°	520.4	9.2
20°-30°	790.1	14.0
30°-40°	956.7	16.9
40°-50°	1000.8	17.7
50°-60°	916.6	16.2
60°-70°	716.9	12.7
70°-80°	438.4	7.8
80°-90°	135.0	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°	1491.7	26.4
0°-40°	2448.4	43.3
0°-60°	4365.7	77.2
0°-90°	5656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5656.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1913	1913	1913	1913	1913	
5°	1908	1908	1903	1909	1911	181
15°	1842	1844	1841	1846	1848	520
25°	1711	1715	1711	1716	1717	789
35°	1528	1528	1528	1530	1530	956
45°	1297	1299	1296	1296	1292	1000
55°	1024	1031	1027	1024	1022	917
65°	725	728	724	721	720	717
75°	416	414	417	414	411	438
85°	123	118	121	118	119	136
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1913.2	1913.2	1913.2	1913.2	1913.2
2.5°	1913.2	1913.2	1907.5	1914.6	1916.0
5°	1908.2	1908.2	1902.6	1908.9	1911.1
7.5°	1897.6	1898.3	1893.3	1899.7	1900.4
10°	1883.4	1884.1	1879.2	1886.3	1887.0
12.5°	1865.7	1866.4	1862.2	1868.5	1869.3
15°	1842.3	1843.7	1840.9	1845.9	1848.0
17.5°	1815.4	1817.5	1814.0	1820.4	1821.1
20°	1784.9	1785.6	1783.5	1788.5	1789.9
22.5°	1750.2	1752.3	1748.8	1755.2	1757.3
25°	1711.2	1714.8	1711.2	1715.5	1716.9
27.5°	1671.6	1674.4	1671.6	1673.7	1672.3
30°	1627.6	1628.3	1626.9	1627.6	1627.6
32.5°	1576.6	1579.4	1578.0	1581.6	1583.0
35°	1527.7	1528.4	1528.4	1530.5	1530.5
37.5°	1474.6	1474.6	1475.3	1477.4	1477.4
40°	1417.9	1419.3	1417.9	1419.3	1417.9
42.5°	1360.5	1359.8	1360.5	1361.2	1359.1
45°	1296.7	1298.8	1296.0	1296.0	1292.5
47.5°	1230.8	1235.1	1234.4	1232.2	1232.9
50°	1167.8	1169.2	1167.8	1165.6	1160.7
52.5°	1097.6	1101.9	1098.3	1099.0	1093.4
55°	1023.9	1031.0	1026.7	1023.9	1022.5
57.5°	953.8	955.9	951.6	948.1	946.0
60°	876.5	879.4	876.5	873.7	874.4
62.5°	800.7	805.0	805.7	800.0	798.6
65°	724.9	728.4	724.2	721.3	719.9
67.5°	651.2	650.5	646.9	643.4	642.0
70°	567.6	572.5	570.4	571.1	564.0
72.5°	493.2	493.9	491.8	491.8	486.1
75°	415.9	413.8	416.6	413.8	411.0
77.5°	339.4	341.5	340.8	337.3	340.1
80°	259.3	262.2	263.6	260.8	263.6
82.5°	192.0	192.0	191.3	191.3	189.2
85°	122.6	118.3	121.2	118.3	119.0
87.5°	56.0	55.3	52.4	54.6	53.9
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)