

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: P568284

Luminaire Tested: **14CGTX-70HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568284
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-L930
Description: 1X4 7000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

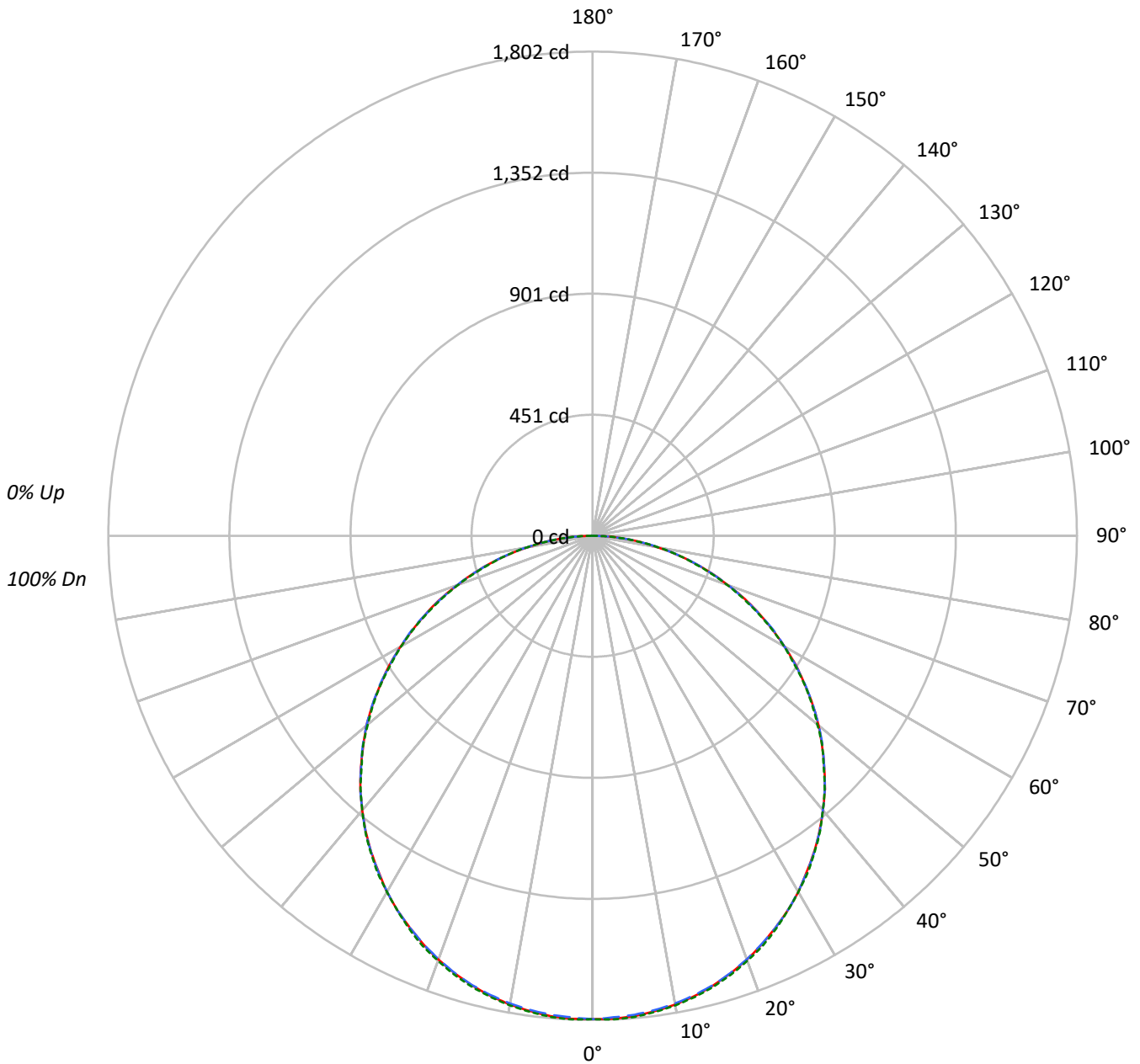
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5319.0 lumens
Efficiency: N/A
Efficacy: 101.3 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

TEST NUMBER: P568284
CATALOG NUMBER: 14CGTX-70HE-L930

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°	4842	4842	4842
5°	4847	4833	4855
10°	4840	4829	4849
15°	4827	4823	4842
20°	4807	4803	4820
25°	4778	4778	4794
30°	4756	4754	4756
35°	4720	4722	4729
40°	4684	4684	4684
45°	4641	4638	4626
50°	4598	4598	4569
55°	4518	4530	4511
60°	4436	4436	4426
65°	4341	4336	4311
70°	4200	4220	4173
75°	4067	4074	4018
80°	3780	3842	3842
85°	3560	3517	3455



TEST NUMBER: P568284

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.5	3.2
10°-20°	489.4	9.2
20°-30°	743.0	14.0
30°-40°	899.7	16.9
40°-50°	941.1	17.7
50°-60°	862.0	16.2
60°-70°	674.1	12.7
70°-80°	412.3	7.8
80°-90°	127.0	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°	1402.8	26.4
0°-40°	2302.5	43.3
0°-60°	4105.6	77.2
0°-90°	5319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1799	1799	1799	1799	1799	
5°	1794	1794	1789	1795	1797	171
15°	1733	1734	1731	1736	1738	489
25°	1609	1613	1609	1613	1615	742
35°	1437	1437	1437	1439	1439	899
45°	1220	1222	1219	1219	1216	941
55°	963	970	966	963	962	862
65°	682	685	681	678	677	675
75°	391	389	392	389	386	412
85°	115	111	114	111	112	128
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1799.2	1799.2	1799.2	1799.2	1799.2
2.5°	1799.2	1799.2	1793.9	1800.5	1801.9
5°	1794.5	1794.5	1789.2	1795.2	1797.2
7.5°	1784.5	1785.2	1780.5	1786.5	1787.2
10°	1771.2	1771.9	1767.2	1773.9	1774.5
12.5°	1754.5	1755.2	1751.2	1757.2	1757.9
15°	1732.6	1733.9	1731.2	1735.9	1737.9
17.5°	1707.2	1709.2	1705.9	1711.9	1712.6
20°	1678.6	1679.2	1677.2	1681.9	1683.2
22.5°	1645.9	1647.9	1644.6	1650.6	1652.6
25°	1609.3	1612.6	1609.3	1613.3	1614.6
27.5°	1572.0	1574.6	1572.0	1574.0	1572.6
30°	1530.6	1531.3	1530.0	1530.6	1530.6
32.5°	1482.7	1485.3	1484.0	1487.3	1488.7
35°	1436.7	1437.4	1437.4	1439.4	1439.4
37.5°	1386.7	1386.7	1387.4	1389.4	1389.4
40°	1333.4	1334.7	1333.4	1334.7	1333.4
42.5°	1279.4	1278.8	1279.4	1280.1	1278.1
45°	1219.5	1221.5	1218.8	1218.8	1215.5
47.5°	1157.5	1161.5	1160.8	1158.8	1159.5
50°	1098.2	1099.5	1098.2	1096.2	1091.5
52.5°	1032.2	1036.2	1032.9	1033.5	1028.2
55°	962.9	969.6	965.6	962.9	961.6
57.5°	896.9	898.9	894.9	891.6	889.6
60°	824.3	827.0	824.3	821.6	822.3
62.5°	753.0	757.0	757.7	752.3	751.0
65°	681.7	685.0	681.0	678.4	677.0
67.5°	612.4	611.7	608.4	605.1	603.7
70°	533.8	538.4	536.4	537.1	530.4
72.5°	463.8	464.5	462.5	462.5	457.1
75°	391.2	389.2	391.8	389.2	386.5
77.5°	319.2	321.2	320.5	317.2	319.9
80°	243.9	246.6	247.9	245.2	247.9
82.5°	180.6	180.6	179.9	179.9	177.9
85°	115.3	111.3	113.9	111.3	111.9
87.5°	52.6	52.0	49.3	51.3	50.6
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)