

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: P568375

Luminaire Tested: **22CGTX-60HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568375
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22CGTX-60HE-L940
Description: 2X2 6000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

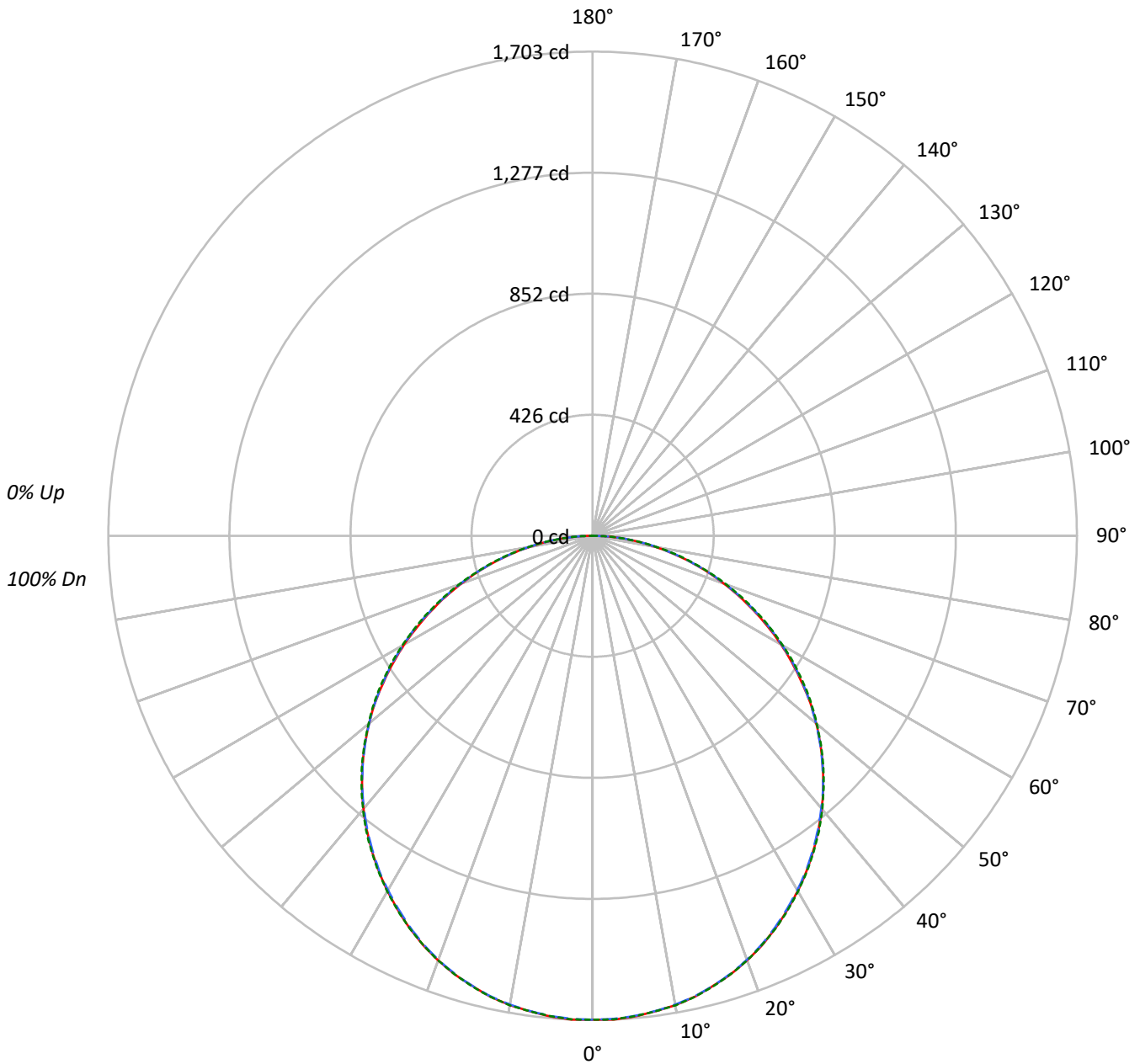
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4982.0 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 47.4
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	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	80	68	60	53	66	58	53	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	45	39	50	44	39	37																			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26																			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4581	4581	4581
5°	4585	4580	4582
10°	4580	4575	4582
15°	4565	4565	4570
20°	4552	4544	4552
25°	4520	4510	4523
30°	4483	4472	4488
35°	4444	4436	4453
40°	4404	4395	4412
45°	4354	4351	4367
50°	4297	4293	4307
55°	4210	4222	4250
60°	4117	4135	4163
65°	3996	4024	4056
70°	3857	3897	3931
75°	3703	3730	3774
80°	3484	3522	3549
85°	3168	3196	3248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	3.2
10°-20°	462.5	9.3
20°-30°	700.8	14.1
30°-40°	846.4	17.0
40°-50°	883.1	17.7
50°-60°	805.3	16.2
60°-70°	626.0	12.6
70°-80°	379.7	7.6
80°-90°	117.1	2.3
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°	1324.5	26.6
0°-40°	2170.9	43.6
0°-60°	3859.3	77.5
0°-90°	4982.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4982.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1702	1702	1702	1702	1702	
5°	1697	1695	1696	1695	1696	161
15°	1639	1639	1639	1639	1640	463
25°	1522	1519	1519	1522	1523	702
35°	1353	1351	1350	1355	1355	847
45°	1144	1143	1143	1148	1148	883
55°	897	899	900	902	906	803
65°	628	629	632	634	637	621
75°	356	355	359	362	363	377
85°	103	104	104	106	105	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1702.2	1702.2	1702.2	1702.2	1702.2
2.5°	1703.1	1700.6	1700.6	1699.7	1702.2
5°	1697.2	1694.6	1695.5	1694.6	1696.3
7.5°	1687.0	1685.3	1686.1	1685.3	1687.0
10°	1676.0	1674.3	1674.3	1674.3	1676.8
12.5°	1660.7	1659.0	1659.0	1659.0	1660.7
15°	1638.6	1638.6	1638.6	1638.6	1640.3
17.5°	1616.6	1614.0	1614.9	1614.0	1616.6
20°	1589.4	1586.1	1586.9	1586.9	1589.4
22.5°	1558.1	1554.7	1555.5	1555.5	1557.2
25°	1522.4	1519.0	1519.0	1521.6	1523.3
27.5°	1483.4	1480.9	1480.0	1484.3	1485.1
30°	1442.7	1441.0	1439.3	1443.6	1444.4
32.5°	1399.5	1397.8	1396.9	1401.2	1401.2
35°	1352.8	1351.1	1350.3	1355.4	1355.4
37.5°	1304.5	1303.6	1301.9	1307.0	1307.9
40°	1253.6	1251.9	1251.0	1256.1	1256.1
42.5°	1200.1	1198.4	1199.3	1203.5	1202.7
45°	1144.2	1143.3	1143.3	1148.4	1147.6
47.5°	1086.5	1084.8	1085.6	1090.7	1089.0
50°	1026.3	1024.6	1025.4	1030.5	1028.8
52.5°	964.4	962.7	964.4	969.4	969.4
55°	897.3	899.0	899.9	902.4	905.8
57.5°	832.0	832.9	836.3	838.0	840.5
60°	765.0	766.7	768.4	771.8	773.5
62.5°	696.3	698.9	704.0	704.0	705.7
65°	627.6	629.3	631.9	634.4	637.0
67.5°	559.8	560.6	564.9	565.7	568.3
70°	490.2	491.1	495.3	496.2	499.6
72.5°	424.1	423.2	426.6	430.9	430.9
75°	356.2	355.4	358.8	362.2	363.0
77.5°	290.1	289.2	291.8	296.0	296.0
80°	224.8	226.5	227.3	230.7	229.0
82.5°	162.0	162.8	163.7	166.2	164.5
85°	102.6	103.5	103.5	106.0	105.2
87.5°	48.3	47.5	47.5	49.2	48.3
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)