

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: P568424

Luminaire Tested: **24CGTX-40HE-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 24CGTX-40HE-L830
Description: 2X4 4000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

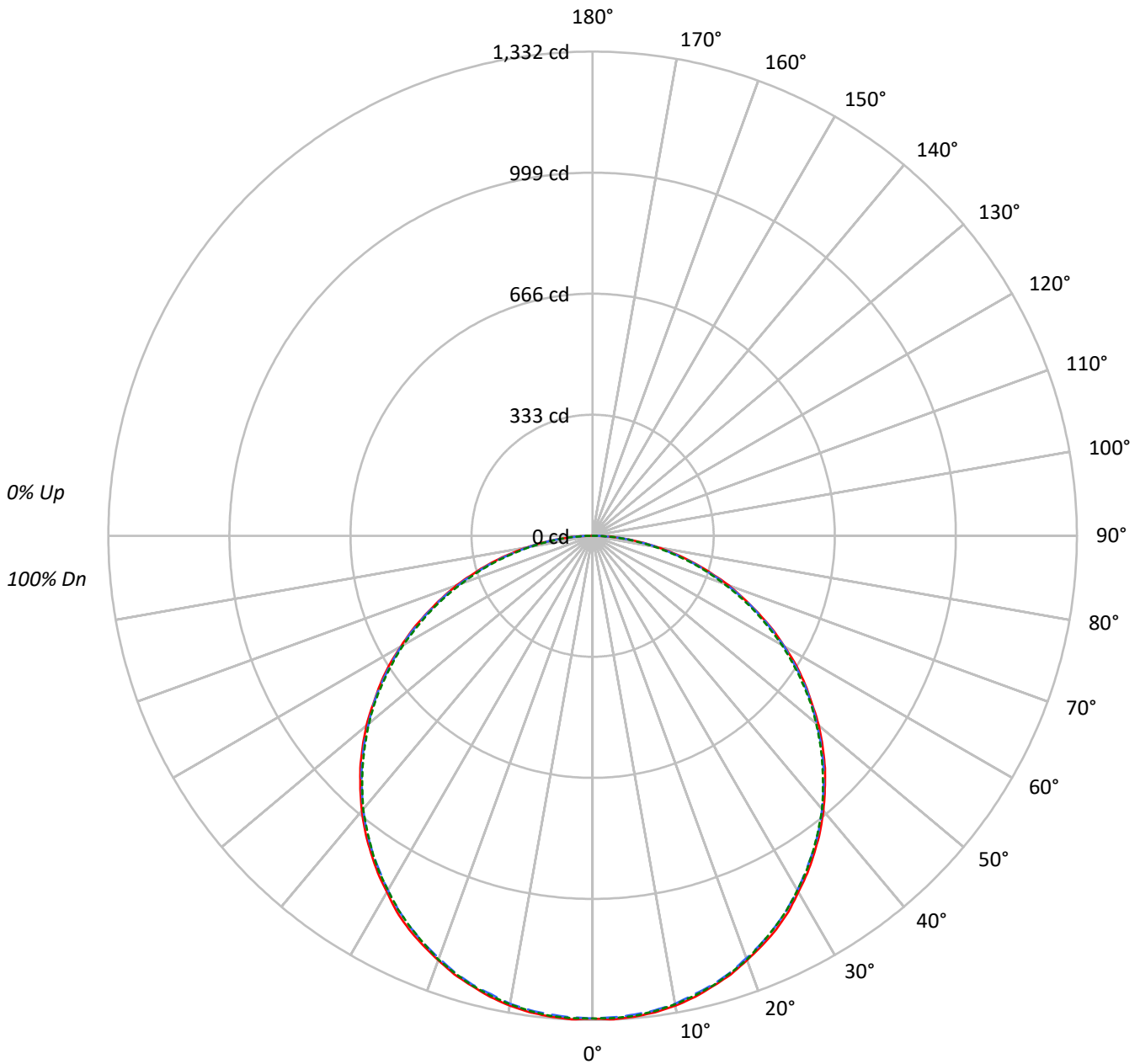
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3902.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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				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				100
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83				83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69				69
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58				58
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49				49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42				42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37				37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32				32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29				29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26				26
10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24				24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1787	1787	1787
5°	1794	1786	1791
10°	1793	1786	1788
15°	1786	1781	1783
20°	1779	1771	1776
25°	1774	1762	1762
30°	1759	1750	1750
35°	1747	1737	1737
40°	1734	1724	1724
45°	1720	1709	1701
50°	1700	1684	1680
55°	1673	1665	1651
60°	1638	1633	1618
65°	1599	1593	1569
70°	1564	1534	1504
75°	1503	1464	1434
80°	1415	1385	1327
85°	1292	1263	1204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.8	3.2
10°-20°	360.8	9.2
20°-30°	547.5	14.0
30°-40°	662.5	17.0
40°-50°	692.1	17.7
50°-60°	633.1	16.2
60°-70°	492.7	12.6
70°-80°	297.0	7.6
80°-90°	90.5	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°	1034.1	26.5
0°-40°	1696.6	43.5
0°-60°	3021.8	77.4
0°-90°	3902.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3902.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1328	1324	1322	1322	1326	126
15°	1282	1278	1278	1276	1280	362
25°	1195	1189	1187	1185	1187	550
35°	1064	1060	1058	1058	1058	666
45°	904	898	898	894	894	697
55°	713	712	710	704	704	637
65°	502	502	500	493	493	498
75°	289	285	282	276	276	304
85°	84	82	82	78	78	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.9	1327.9	1327.9	1327.9	1327.9
2.5°	1331.7	1327.9	1326.0	1326.0	1327.9
5°	1327.9	1324.1	1322.2	1322.2	1326.0
7.5°	1322.2	1316.5	1316.5	1314.6	1318.4
10°	1312.7	1307.0	1307.0	1305.1	1308.9
12.5°	1299.4	1293.7	1291.7	1291.7	1295.6
15°	1282.2	1278.4	1278.4	1276.5	1280.3
17.5°	1265.1	1259.4	1259.4	1257.5	1261.3
20°	1242.3	1238.5	1236.6	1236.6	1240.4
22.5°	1219.5	1215.7	1213.7	1213.7	1213.7
25°	1194.7	1189.0	1187.1	1185.2	1187.1
27.5°	1166.2	1158.6	1158.6	1156.7	1158.6
30°	1131.9	1128.1	1126.2	1124.3	1126.2
32.5°	1099.6	1093.9	1092.0	1093.9	1093.9
35°	1063.5	1059.7	1057.7	1057.7	1057.7
37.5°	1027.3	1021.6	1021.6	1019.7	1019.7
40°	987.4	983.6	981.7	981.7	981.7
42.5°	945.5	941.7	939.8	937.9	937.9
45°	903.7	897.9	897.9	894.1	894.1
47.5°	858.0	854.2	852.3	848.5	848.5
50°	812.3	808.5	804.7	804.7	802.8
52.5°	761.0	761.0	759.1	755.3	755.3
55°	713.4	711.5	709.6	703.9	703.9
57.5°	663.9	662.0	658.2	652.5	652.5
60°	608.8	608.8	606.9	599.3	601.2
62.5°	557.4	555.5	553.6	547.9	546.0
65°	502.2	502.2	500.3	492.7	492.7
67.5°	449.0	449.0	445.2	437.6	437.6
70°	397.6	391.9	390.0	384.3	382.4
72.5°	340.5	338.6	334.8	329.1	329.1
75°	289.2	285.4	281.6	275.9	275.9
77.5°	234.0	230.2	226.4	224.5	220.7
80°	182.6	180.7	178.8	173.1	171.2
82.5°	131.3	129.4	127.5	125.6	123.7
85°	83.7	81.8	81.8	78.0	78.0
87.5°	36.1	38.0	34.2	36.1	34.2
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)