

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: P568479

Luminaire Tested: **24CGTX-40HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568479
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-L940
Description: 2X4 4000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

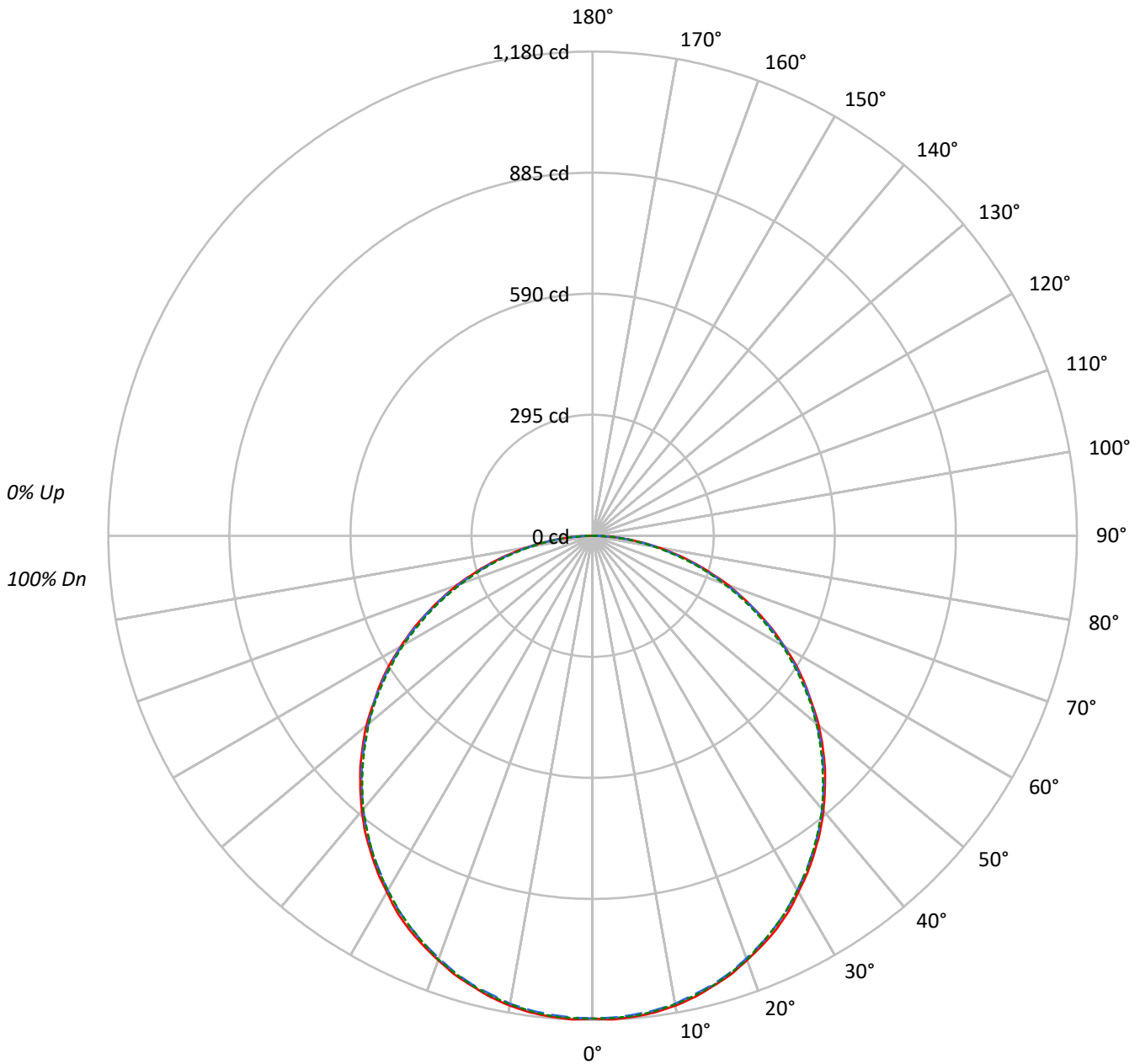
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3457.0 lumens
Efficiency: N/A
Efficacy: 115.2 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					
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	94	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	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58								
4	82	70	61	54	79	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	32								
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	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	38	31	26	37	30	26	37	30	25	36	30	25	24								

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1583	1583	1583
5°	1589	1582	1587
10°	1589	1582	1584
15°	1582	1578	1580
20°	1576	1569	1573
25°	1571	1561	1561
30°	1558	1550	1550
35°	1548	1539	1539
40°	1537	1528	1528
45°	1523	1514	1507
50°	1506	1492	1489
55°	1483	1475	1463
60°	1451	1447	1433
65°	1417	1411	1390
70°	1386	1359	1333
75°	1332	1297	1271
80°	1254	1227	1175
85°	1145	1119	1067



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.5	3.2
10°-20°	319.6	9.2
20°-30°	485.1	14.0
30°-40°	586.9	17.0
40°-50°	613.1	17.7
50°-60°	560.9	16.2
60°-70°	436.6	12.6
70°-80°	263.1	7.6
80°-90°	80.2	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°	916.2	26.5
0°-40°	1503.1	43.5
0°-60°	2677.1	77.4
0°-90°	3457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3457.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1176	1176	1176	1176	1176	
5°	1176	1173	1171	1171	1175	112
15°	1136	1133	1133	1131	1134	321
25°	1058	1053	1052	1050	1052	487
35°	942	939	937	937	937	590
45°	801	796	796	792	792	617
55°	632	630	629	624	624	565
65°	445	445	443	436	436	441
75°	256	253	249	244	244	270
85°	74	72	72	69	69	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1176.5	1176.5	1176.5	1176.5	1176.5
2.5°	1179.8	1176.5	1174.8	1174.8	1176.5
5°	1176.5	1173.1	1171.4	1171.4	1174.8
7.5°	1171.4	1166.3	1166.3	1164.7	1168.0
10°	1163.0	1157.9	1157.9	1156.2	1159.6
12.5°	1151.2	1146.1	1144.4	1144.4	1147.8
15°	1136.0	1132.6	1132.6	1130.9	1134.3
17.5°	1120.8	1115.8	1115.8	1114.1	1117.5
20°	1100.6	1097.2	1095.6	1095.6	1098.9
22.5°	1080.4	1077.0	1075.3	1075.3	1075.3
25°	1058.5	1053.4	1051.7	1050.0	1051.7
27.5°	1033.2	1026.4	1026.4	1024.8	1026.4
30°	1002.9	999.5	997.8	996.1	997.8
32.5°	974.2	969.1	967.5	969.1	969.1
35°	942.2	938.8	937.1	937.1	937.1
37.5°	910.2	905.1	905.1	903.4	903.4
40°	874.8	871.4	869.7	869.7	869.7
42.5°	837.7	834.3	832.6	830.9	830.9
45°	800.6	795.5	795.5	792.2	792.2
47.5°	760.1	756.8	755.1	751.7	751.7
50°	719.7	716.3	713.0	713.0	711.3
52.5°	674.2	674.2	672.5	669.1	669.1
55°	632.0	630.4	628.7	623.6	623.6
57.5°	588.2	586.5	583.2	578.1	578.1
60°	539.3	539.3	537.7	530.9	532.6
62.5°	493.8	492.2	490.5	485.4	483.7
65°	445.0	445.0	443.3	436.5	436.5
67.5°	397.8	397.8	394.4	387.7	387.7
70°	352.3	347.2	345.5	340.5	338.8
72.5°	301.7	300.0	296.6	291.6	291.6
75°	256.2	252.8	249.4	244.4	244.4
77.5°	207.3	203.9	200.6	198.9	195.5
80°	161.8	160.1	158.4	153.4	151.7
82.5°	116.3	114.6	112.9	111.2	109.6
85°	74.2	72.5	72.5	69.1	69.1
87.5°	32.0	33.7	30.3	32.0	30.3
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)