

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: P568435

Luminaire Tested: **24CGTX-40HE-L930**

Issue Date: 9/19/2022

**Test Information**

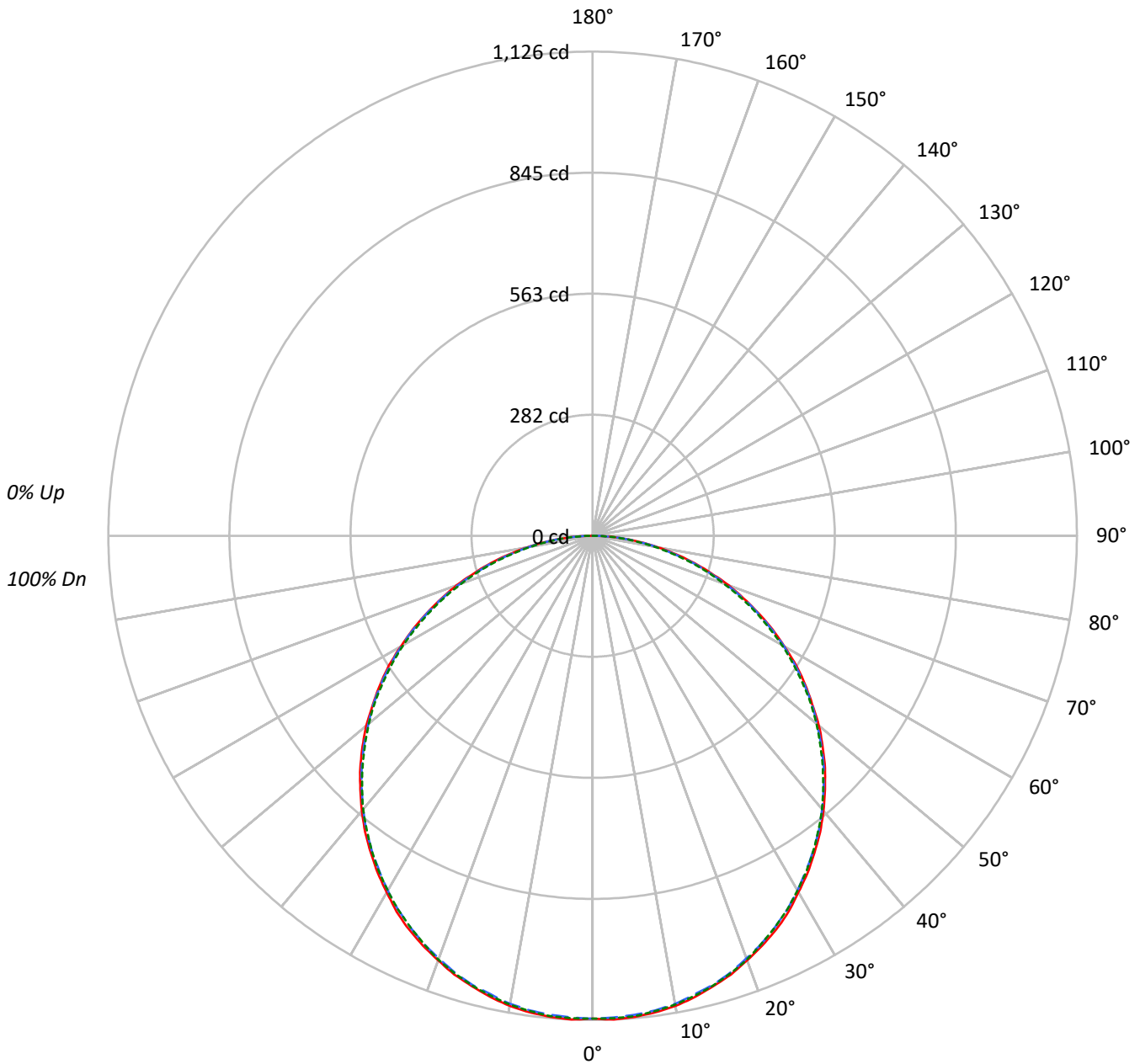
Test Method: LM-79-08  
Report Number: P568435  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-40HE-L930  
Description: 2X4 4000 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: 3300.0 lumens  
Efficiency: N/A  
Efficacy: 110.0 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<sub>in</sub>): 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	23			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1511	1511	1511
5°	1517	1510	1515
10°	1517	1510	1512
15°	1511	1506	1508
20°	1504	1497	1502
25°	1500	1491	1491
30°	1487	1480	1480
35°	1477	1469	1469
40°	1467	1458	1458
45°	1454	1445	1439
50°	1438	1425	1421
55°	1415	1408	1396
60°	1386	1381	1368
65°	1352	1347	1327
70°	1323	1297	1272
75°	1272	1238	1213
80°	1197	1172	1122
85°	1093	1068	1019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.4	3.2
10°-20°	305.1	9.2
20°-30°	463.1	14.0
30°-40°	560.3	17.0
40°-50°	585.3	17.7
50°-60°	535.4	16.2
60°-70°	416.7	12.6
70°-80°	251.2	7.6
80°-90°	76.6	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°	874.6	26.5
0°-40°	1434.9	43.5
0°-60°	2555.6	77.4
0°-90°	3300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3300.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1123	1120	1118	1118	1121	107
15°	1084	1081	1081	1080	1083	306
25°	1010	1006	1004	1002	1004	465
35°	899	896	895	895	895	563
45°	764	759	759	756	756	589
55°	603	602	600	595	595	539
65°	425	425	423	417	417	421
75°	245	241	238	233	233	257
85°	71	69	69	66	66	79
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1123.0	1123.0	1123.0	1123.0	1123.0
2.5°	1126.2	1123.0	1121.4	1121.4	1123.0
5°	1123.0	1119.8	1118.2	1118.2	1121.4
7.5°	1118.2	1113.4	1113.4	1111.8	1115.0
10°	1110.2	1105.3	1105.3	1103.7	1106.9
12.5°	1098.9	1094.1	1092.5	1092.5	1095.7
15°	1084.4	1081.2	1081.2	1079.6	1082.8
17.5°	1069.9	1065.1	1065.1	1063.5	1066.7
20°	1050.6	1047.4	1045.8	1045.8	1049.0
22.5°	1031.3	1028.1	1026.5	1026.5	1026.5
25°	1010.4	1005.6	1004.0	1002.4	1004.0
27.5°	986.3	979.8	979.8	978.2	979.8
30°	957.3	954.1	952.5	950.9	952.5
32.5°	930.0	925.1	923.5	925.1	925.1
35°	899.4	896.2	894.6	894.6	894.6
37.5°	868.8	864.0	864.0	862.4	862.4
40°	835.0	831.8	830.2	830.2	830.2
42.5°	799.6	796.4	794.8	793.2	793.2
45°	764.2	759.4	759.4	756.2	756.2
47.5°	725.6	722.4	720.8	717.6	717.6
50°	687.0	683.8	680.6	680.6	679.0
52.5°	643.6	643.6	642.0	638.7	638.7
55°	603.3	601.7	600.1	595.3	595.3
57.5°	561.5	559.9	556.7	551.9	551.9
60°	514.9	514.9	513.2	506.8	508.4
62.5°	471.4	469.8	468.2	463.4	461.8
65°	424.8	424.8	423.1	416.7	416.7
67.5°	379.7	379.7	376.5	370.1	370.1
70°	336.3	331.4	329.8	325.0	323.4
72.5°	288.0	286.4	283.2	278.3	278.3
75°	244.6	241.3	238.1	233.3	233.3
77.5°	197.9	194.7	191.5	189.9	186.6
80°	154.5	152.8	151.2	146.4	144.8
82.5°	111.0	109.4	107.8	106.2	104.6
85°	70.8	69.2	69.2	66.0	66.0
87.5°	30.6	32.2	29.0	30.6	29.0
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)