

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: P568475

Luminaire Tested: **24CGTX-100HE-L940**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568475
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-100HE-L940
Description: 2X4 1000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

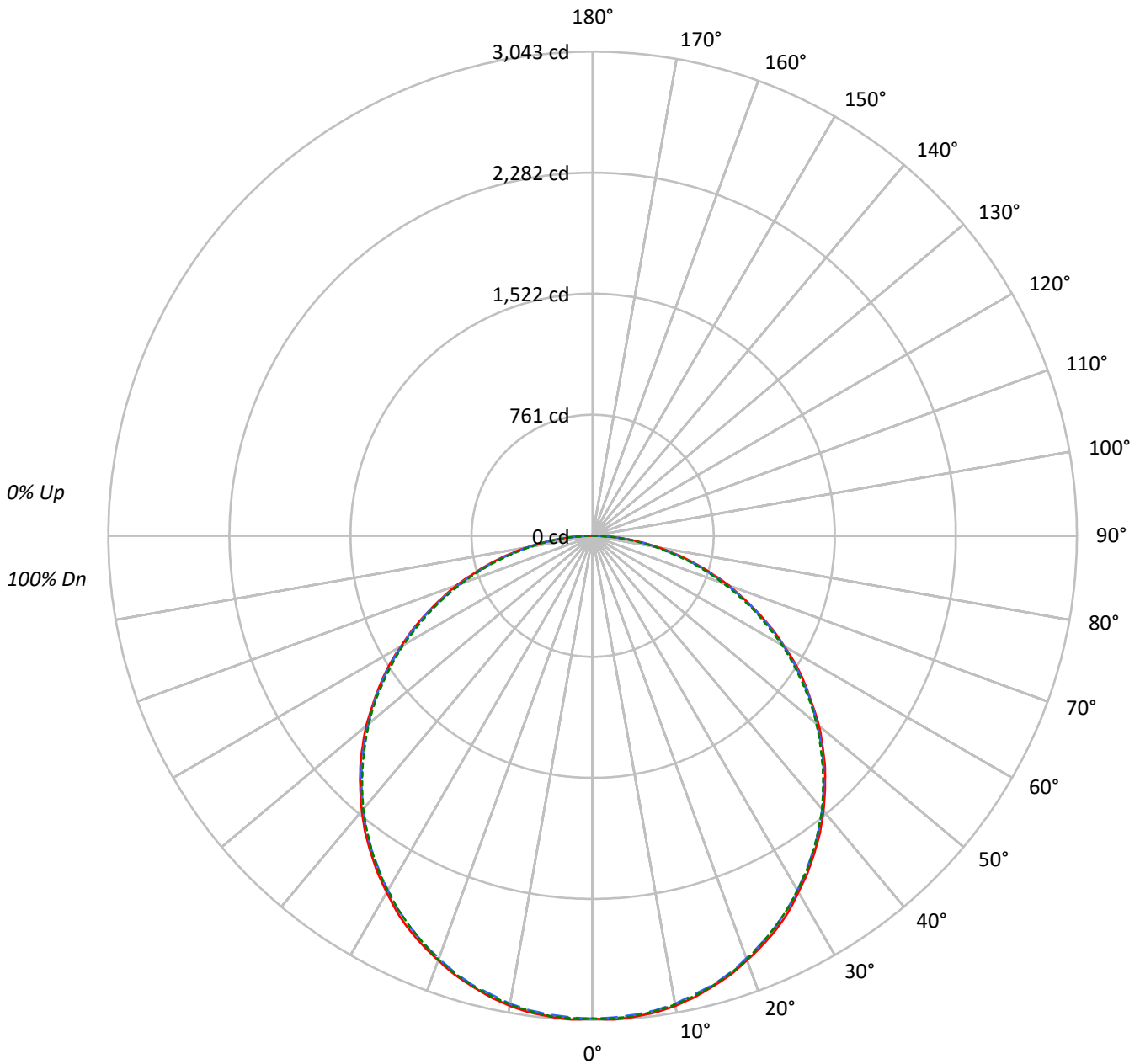
Lumens per Lamp: N/A
Luminaire Lumens: 8917.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 79.8
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	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°	4083	4083	4083
5°	4099	4081	4093
10°	4098	4081	4087
15°	4082	4070	4076
20°	4065	4046	4059
25°	4053	4027	4027
30°	4019	3999	3999
35°	3992	3970	3970
40°	3963	3940	3940
45°	3929	3905	3888
50°	3886	3849	3840
55°	3824	3804	3773
60°	3744	3732	3697
65°	3654	3640	3585
70°	3574	3506	3437
75°	3435	3345	3277
80°	3234	3167	3032
85°	2953	2885	2751



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	3.2
10°-20°	824.5	9.2
20°-30°	1251.2	14.0
30°-40°	1513.9	17.0
40°-50°	1581.5	17.7
50°-60°	1446.7	16.2
60°-70°	1126.0	12.6
70°-80°	678.7	7.6
80°-90°	206.8	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°	2363.3	26.5
0°-40°	3877.2	43.5
0°-60°	6905.5	77.4
0°-90°	8917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3035	3035	3035	3035	3035	
5°	3035	3026	3022	3022	3030	289
15°	2930	2922	2922	2917	2926	828
25°	2730	2717	2713	2708	2713	1257
35°	2430	2422	2417	2417	2417	1521
45°	2065	2052	2052	2043	2043	1592
55°	1630	1626	1622	1609	1609	1456
65°	1148	1148	1143	1126	1126	1138
75°	661	652	643	630	630	695
85°	191	187	187	178	178	213
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3034.6	3034.6	3034.6	3034.6	3034.6
2.5°	3043.2	3034.6	3030.2	3030.2	3034.6
5°	3034.6	3025.9	3021.5	3021.5	3030.2
7.5°	3021.5	3008.5	3008.5	3004.1	3012.8
10°	2999.8	2986.7	2986.7	2982.4	2991.1
12.5°	2969.3	2956.3	2952.0	2952.0	2960.6
15°	2930.2	2921.5	2921.5	2917.2	2925.9
17.5°	2891.1	2878.0	2878.0	2873.7	2882.4
20°	2838.9	2830.2	2825.9	2825.9	2834.6
22.5°	2786.7	2778.1	2773.7	2773.7	2773.7
25°	2730.2	2717.2	2712.8	2708.5	2712.8
27.5°	2665.0	2647.6	2647.6	2643.3	2647.6
30°	2586.8	2578.1	2573.7	2569.4	2573.7
32.5°	2512.9	2499.8	2495.5	2499.8	2499.8
35°	2430.3	2421.6	2417.2	2417.2	2417.2
37.5°	2347.6	2334.6	2334.6	2330.3	2330.3
40°	2256.4	2247.7	2243.3	2243.3	2243.3
42.5°	2160.7	2152.0	2147.7	2143.3	2143.3
45°	2065.1	2052.0	2052.0	2043.3	2043.3
47.5°	1960.7	1952.0	1947.7	1939.0	1939.0
50°	1856.4	1847.7	1839.0	1839.0	1834.6
52.5°	1739.0	1739.0	1734.7	1726.0	1726.0
55°	1630.3	1626.0	1621.6	1608.6	1608.6
57.5°	1517.3	1512.9	1504.2	1491.2	1491.2
60°	1391.2	1391.2	1386.9	1369.5	1373.8
62.5°	1273.8	1269.5	1265.1	1252.1	1247.7
65°	1147.7	1147.7	1143.4	1126.0	1126.0
67.5°	1026.0	1026.0	1017.3	999.9	999.9
70°	908.6	895.6	891.2	878.2	873.8
72.5°	778.2	773.9	765.2	752.1	752.1
75°	660.8	652.1	643.4	630.4	630.4
77.5°	534.7	526.0	517.4	513.0	504.3
80°	417.4	413.0	408.7	395.6	391.3
82.5°	300.0	295.6	291.3	286.9	282.6
85°	191.3	186.9	186.9	178.2	178.2
87.5°	82.6	86.9	78.3	82.6	78.3
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)