

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: P568486

Luminaire Tested: **24CGTX-100HE-L850**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568486
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-L850
Description: 2X4 1000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

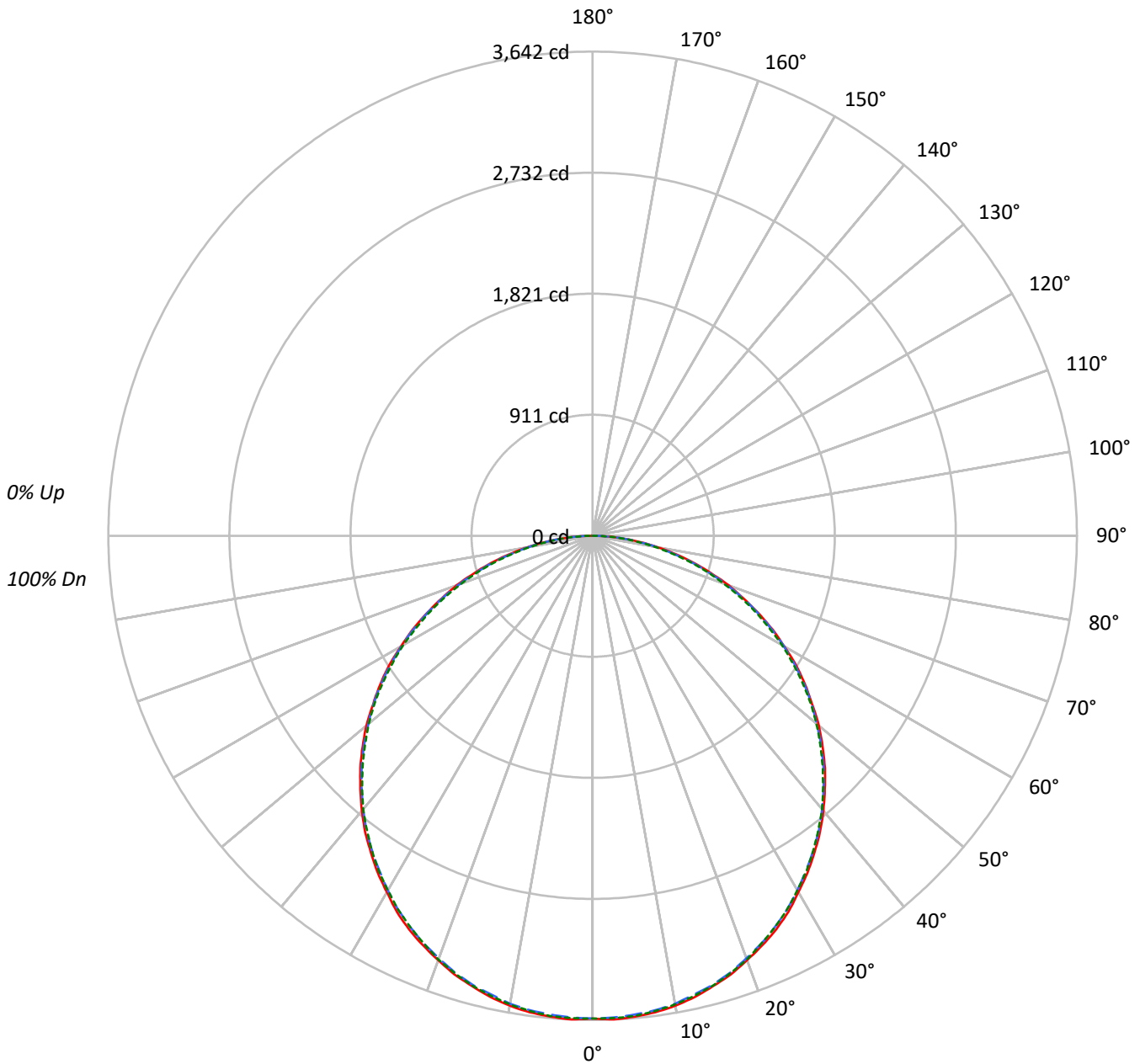
Lumens per Lamp: N/A
Luminaire Lumens: 10671.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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					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°	4886	4886	4886
5°	4905	4884	4898
10°	4905	4883	4890
15°	4885	4870	4877
20°	4864	4842	4857
25°	4851	4820	4820
30°	4809	4785	4785
35°	4777	4751	4751
40°	4743	4715	4715
45°	4702	4673	4653
50°	4650	4607	4596
55°	4577	4552	4516
60°	4480	4466	4424
65°	4373	4356	4290
70°	4278	4196	4114
75°	4111	4003	3922
80°	3870	3790	3628
85°	3534	3453	3293



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.1	3.2
10°-20°	986.7	9.2
20°-30°	1497.3	14.0
30°-40°	1811.7	17.0
40°-50°	1892.7	17.7
50°-60°	1731.3	16.2
60°-70°	1347.5	12.6
70°-80°	812.2	7.6
80°-90°	247.5	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°	2828.1	26.5
0°-40°	4639.9	43.5
0°-60°	8263.8	77.4
0°-90°	10671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10671.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3632	3632	3632	3632	3632	
5°	3632	3621	3616	3616	3626	345
15°	3507	3496	3496	3491	3501	990
25°	3267	3252	3246	3241	3246	1505
35°	2908	2898	2893	2893	2893	1821
45°	2471	2456	2456	2445	2445	1905
55°	1951	1946	1941	1925	1925	1743
65°	1374	1374	1368	1348	1348	1362
75°	791	780	770	754	754	832
85°	229	224	224	213	213	255
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3631.5	3631.5	3631.5	3631.5	3631.5
2.5°	3641.9	3631.5	3626.3	3626.3	3631.5
5°	3631.5	3621.1	3615.9	3615.9	3626.3
7.5°	3615.9	3600.2	3600.2	3595.0	3605.4
10°	3589.8	3574.2	3574.2	3569.0	3579.4
12.5°	3553.4	3537.8	3532.6	3532.6	3543.0
15°	3506.6	3496.2	3496.2	3491.0	3501.4
17.5°	3459.8	3444.2	3444.2	3439.0	3449.4
20°	3397.3	3386.9	3381.7	3381.7	3392.1
22.5°	3334.9	3324.5	3319.3	3319.3	3319.3
25°	3267.3	3251.7	3246.5	3241.3	3246.5
27.5°	3189.2	3168.4	3168.4	3163.2	3168.4
30°	3095.6	3085.2	3080.0	3074.8	3080.0
32.5°	3007.1	2991.5	2986.3	2991.5	2991.5
35°	2908.3	2897.9	2892.7	2892.7	2892.7
37.5°	2809.4	2793.8	2793.8	2788.6	2788.6
40°	2700.2	2689.8	2684.6	2684.6	2684.6
42.5°	2585.7	2575.3	2570.1	2564.9	2564.9
45°	2471.3	2455.7	2455.7	2445.3	2445.3
47.5°	2346.4	2336.0	2330.8	2320.4	2320.4
50°	2221.5	2211.1	2200.7	2200.7	2195.5
52.5°	2081.1	2081.1	2075.9	2065.5	2065.5
55°	1951.0	1945.8	1940.6	1925.0	1925.0
57.5°	1815.7	1810.5	1800.1	1784.5	1784.5
60°	1664.9	1664.9	1659.7	1638.8	1644.0
62.5°	1524.4	1519.2	1514.0	1498.4	1493.2
65°	1373.5	1373.5	1368.3	1347.5	1347.5
67.5°	1227.8	1227.8	1217.4	1196.6	1196.6
70°	1087.4	1071.7	1066.5	1050.9	1045.7
72.5°	931.3	926.1	915.7	900.1	900.1
75°	790.8	780.4	770.0	754.4	754.4
77.5°	639.9	629.5	619.1	613.9	603.5
80°	499.5	494.3	489.1	473.4	468.2
82.5°	359.0	353.8	348.6	343.4	338.2
85°	228.9	223.7	223.7	213.3	213.3
87.5°	98.9	104.1	93.6	98.9	93.6
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)