

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: P568497

Luminaire Tested: **24CGTX-100HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568497
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-L950
Description: 2X4 1000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

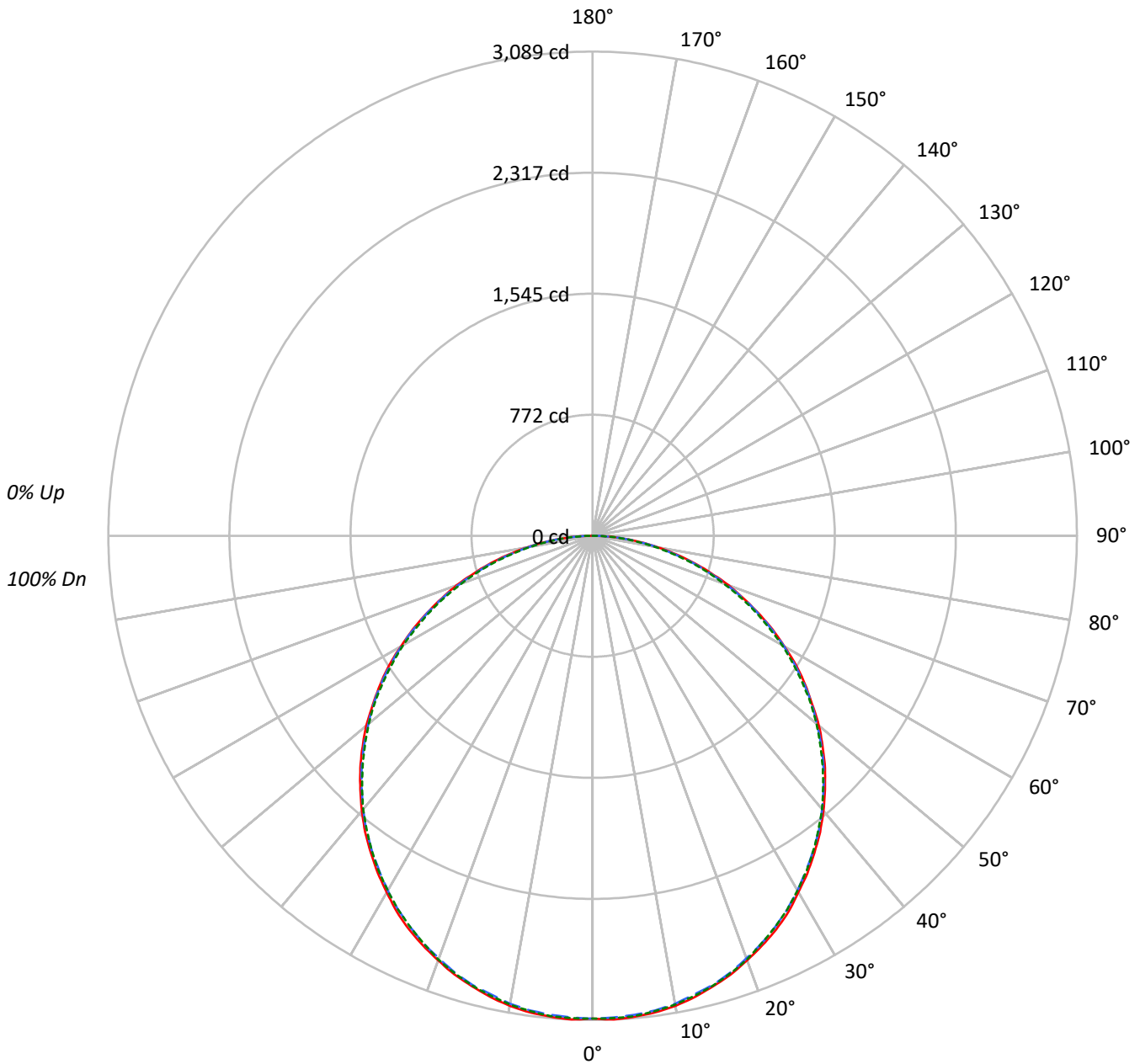
Lumens per Lamp: N/A
Luminaire Lumens: 9052.0 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	4145	4145	4145
5°	4161	4143	4155
10°	4160	4142	4148
15°	4143	4131	4137
20°	4126	4108	4120
25°	4115	4088	4088
30°	4080	4059	4059
35°	4052	4030	4030
40°	4023	4000	4000
45°	3989	3964	3947
50°	3945	3908	3898
55°	3882	3862	3830
60°	3800	3788	3753
65°	3709	3695	3639
70°	3629	3559	3490
75°	3487	3396	3327
80°	3283	3215	3078
85°	2998	2930	2793



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	3.2
10°-20°	837.0	9.2
20°-30°	1270.2	14.0
30°-40°	1536.9	17.0
40°-50°	1605.5	17.7
50°-60°	1468.6	16.2
60°-70°	1143.1	12.6
70°-80°	688.9	7.6
80°-90°	210.0	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°	2399.1	26.5
0°-40°	3935.9	43.5
0°-60°	7010.0	77.4
0°-90°	9052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3080	3080	3080	3080	3080	
5°	3080	3072	3067	3067	3076	293
15°	2975	2966	2966	2961	2970	840
25°	2772	2758	2754	2750	2754	1276
35°	2467	2458	2454	2454	2454	1544
45°	2096	2083	2083	2074	2074	1616
55°	1655	1651	1646	1633	1633	1478
65°	1165	1165	1161	1143	1143	1155
75°	671	662	653	640	640	706
85°	194	190	190	181	181	216
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3080.5	3080.5	3080.5	3080.5	3080.5
2.5°	3089.3	3080.5	3076.1	3076.1	3080.5
5°	3080.5	3071.7	3067.3	3067.3	3076.1
7.5°	3067.3	3054.0	3054.0	3049.6	3058.4
10°	3045.2	3031.9	3031.9	3027.5	3036.4
12.5°	3014.3	3001.1	2996.6	2996.6	3005.5
15°	2974.6	2965.7	2965.7	2961.3	2970.2
17.5°	2934.9	2921.6	2921.6	2917.2	2926.0
20°	2881.9	2873.1	2868.7	2868.7	2877.5
22.5°	2828.9	2820.1	2815.7	2815.7	2815.7
25°	2771.6	2758.3	2753.9	2749.5	2753.9
27.5°	2705.4	2687.7	2687.7	2683.3	2687.7
30°	2625.9	2617.1	2612.7	2608.3	2612.7
32.5°	2550.9	2537.7	2533.2	2537.7	2537.7
35°	2467.0	2458.2	2453.8	2453.8	2453.8
37.5°	2383.2	2370.0	2370.0	2365.5	2365.5
40°	2290.5	2281.7	2277.3	2277.3	2277.3
42.5°	2193.4	2184.6	2180.2	2175.8	2175.8
45°	2096.3	2083.1	2083.1	2074.3	2074.3
47.5°	1990.4	1981.6	1977.2	1968.3	1968.3
50°	1884.5	1875.7	1866.8	1866.8	1862.4
52.5°	1765.3	1765.3	1760.9	1752.1	1752.1
55°	1655.0	1650.6	1646.2	1632.9	1632.9
57.5°	1540.2	1535.8	1527.0	1513.8	1513.8
60°	1412.3	1412.3	1407.8	1390.2	1394.6
62.5°	1293.1	1288.7	1284.3	1271.0	1266.6
65°	1165.1	1165.1	1160.7	1143.0	1143.0
67.5°	1041.5	1041.5	1032.7	1015.1	1015.1
70°	922.4	909.1	904.7	891.5	887.1
72.5°	790.0	785.6	776.7	763.5	763.5
75°	670.8	662.0	653.2	639.9	639.9
77.5°	542.8	534.0	525.2	520.8	511.9
80°	423.7	419.3	414.9	401.6	397.2
82.5°	304.5	300.1	295.7	291.3	286.9
85°	194.2	189.8	189.8	180.9	180.9
87.5°	83.9	88.3	79.4	83.9	79.4
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)