

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: P568442

Luminaire Tested: **24CGTX-100HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568442
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-L835
Description: 2X4 1000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

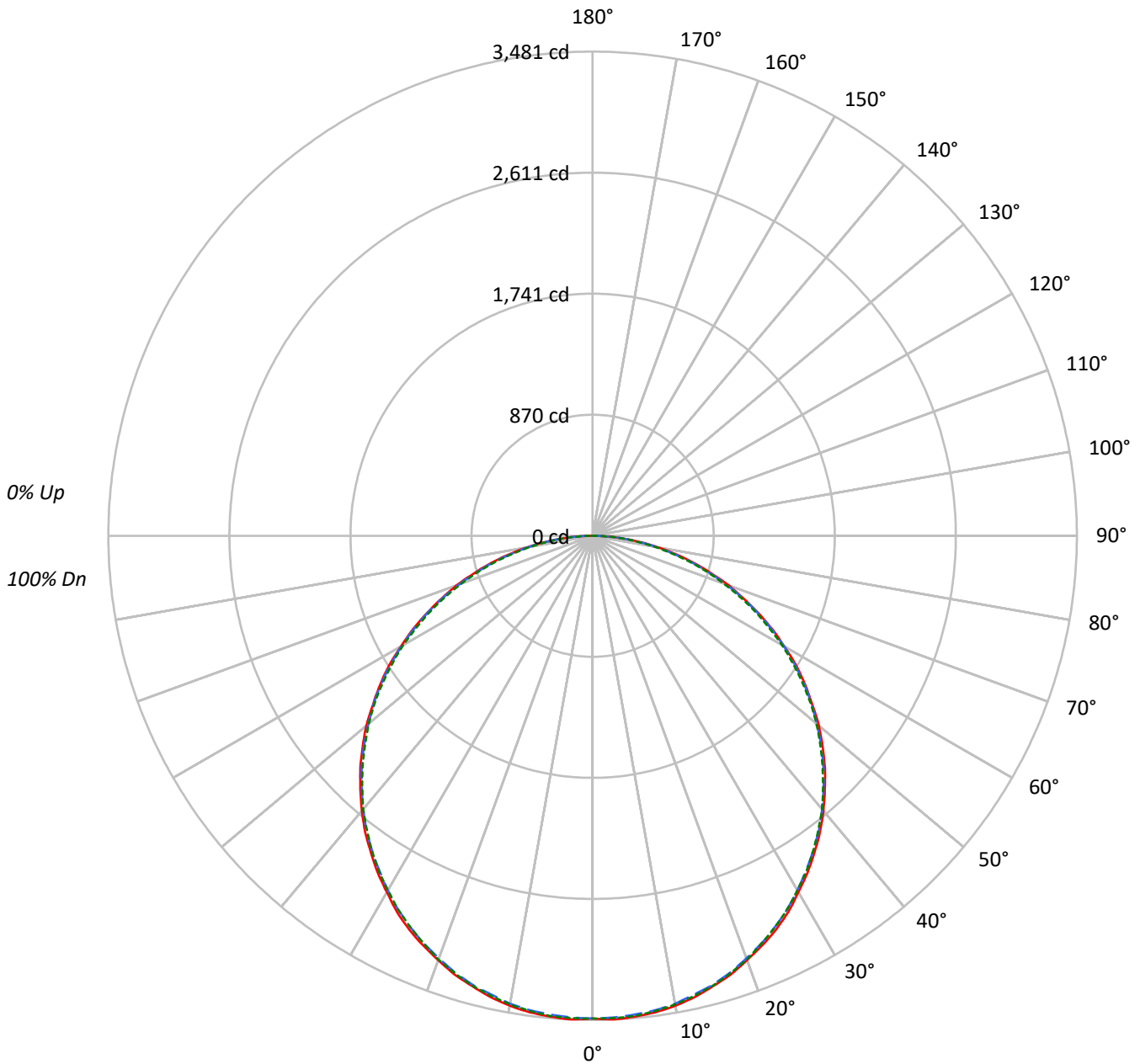
Lumens per Lamp: N/A
Luminaire Lumens: 10199.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.38
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P568442

CATALOG NUMBER: 24CGTX-100HE-L835

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°	4670	4670	4670
5°	4688	4668	4681
10°	4688	4667	4674
15°	4668	4655	4662
20°	4649	4628	4642
25°	4636	4607	4607
30°	4597	4573	4573
35°	4566	4541	4541
40°	4533	4507	4507
45°	4494	4466	4447
50°	4445	4403	4392
55°	4374	4351	4316
60°	4282	4268	4228
65°	4180	4164	4100
70°	4089	4010	3932
75°	3929	3826	3748
80°	3699	3622	3467
85°	3378	3301	3148



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	3.2
10°-20°	943.0	9.2
20°-30°	1431.1	14.0
30°-40°	1731.6	17.0
40°-50°	1808.9	17.7
50°-60°	1654.7	16.2
60°-70°	1287.9	12.6
70°-80°	776.2	7.6
80°-90°	236.6	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°	2703.0	26.5
0°-40°	4434.6	43.5
0°-60°	7898.3	77.4
0°-90°	10199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3471	3471	3471	3471	3471	
5°	3471	3461	3456	3456	3466	330
15°	3352	3342	3342	3337	3346	947
25°	3123	3108	3103	3098	3103	1438
35°	2780	2770	2765	2765	2765	1740
45°	2362	2347	2347	2337	2337	1821
55°	1865	1860	1855	1840	1840	1666
65°	1313	1313	1308	1288	1288	1301
75°	756	746	736	721	721	795
85°	219	214	214	204	204	244
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3470.8	3470.8	3470.8	3470.8	3470.8
2.5°	3480.8	3470.8	3465.9	3465.9	3470.8
5°	3470.8	3460.9	3455.9	3455.9	3465.9
7.5°	3455.9	3441.0	3441.0	3436.0	3446.0
10°	3431.1	3416.1	3416.1	3411.2	3421.1
12.5°	3396.2	3381.3	3376.4	3376.4	3386.3
15°	3351.5	3341.5	3341.5	3336.6	3346.5
17.5°	3306.7	3291.8	3291.8	3286.8	3296.8
20°	3247.1	3237.1	3232.2	3232.2	3242.1
22.5°	3187.4	3177.5	3172.5	3172.5	3172.5
25°	3122.8	3107.8	3102.9	3097.9	3102.9
27.5°	3048.2	3028.3	3028.3	3023.3	3028.3
30°	2958.7	2948.7	2943.7	2938.8	2943.7
32.5°	2874.1	2859.2	2854.2	2859.2	2859.2
35°	2779.7	2769.7	2764.7	2764.7	2764.7
37.5°	2685.2	2670.3	2670.3	2665.3	2665.3
40°	2580.7	2570.8	2565.8	2565.8	2565.8
42.5°	2471.4	2461.4	2456.4	2451.5	2451.5
45°	2362.0	2347.0	2347.0	2337.1	2337.1
47.5°	2242.6	2232.7	2227.7	2217.8	2217.8
50°	2123.3	2113.3	2103.4	2103.4	2098.4
52.5°	1989.0	1989.0	1984.0	1974.1	1974.1
55°	1864.7	1859.7	1854.8	1839.8	1839.8
57.5°	1735.4	1730.4	1720.5	1705.6	1705.6
60°	1591.2	1591.2	1586.2	1566.4	1571.3
62.5°	1457.0	1452.0	1447.0	1432.1	1427.1
65°	1312.8	1312.8	1307.8	1287.9	1287.9
67.5°	1173.5	1173.5	1163.6	1143.7	1143.7
70°	1039.3	1024.3	1019.4	1004.5	999.5
72.5°	890.1	885.1	875.2	860.2	860.2
75°	755.8	745.9	735.9	721.0	721.0
77.5°	611.6	601.7	591.7	586.8	576.8
80°	477.4	472.4	467.4	452.5	447.5
82.5°	343.1	338.1	333.2	328.2	323.2
85°	218.8	213.8	213.8	203.9	203.9
87.5°	94.5	99.5	89.5	94.5	89.5
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)