

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: P568569

Luminaire Tested: **24CGTX-20-L850**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568569
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-20-L850
Description: 2X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

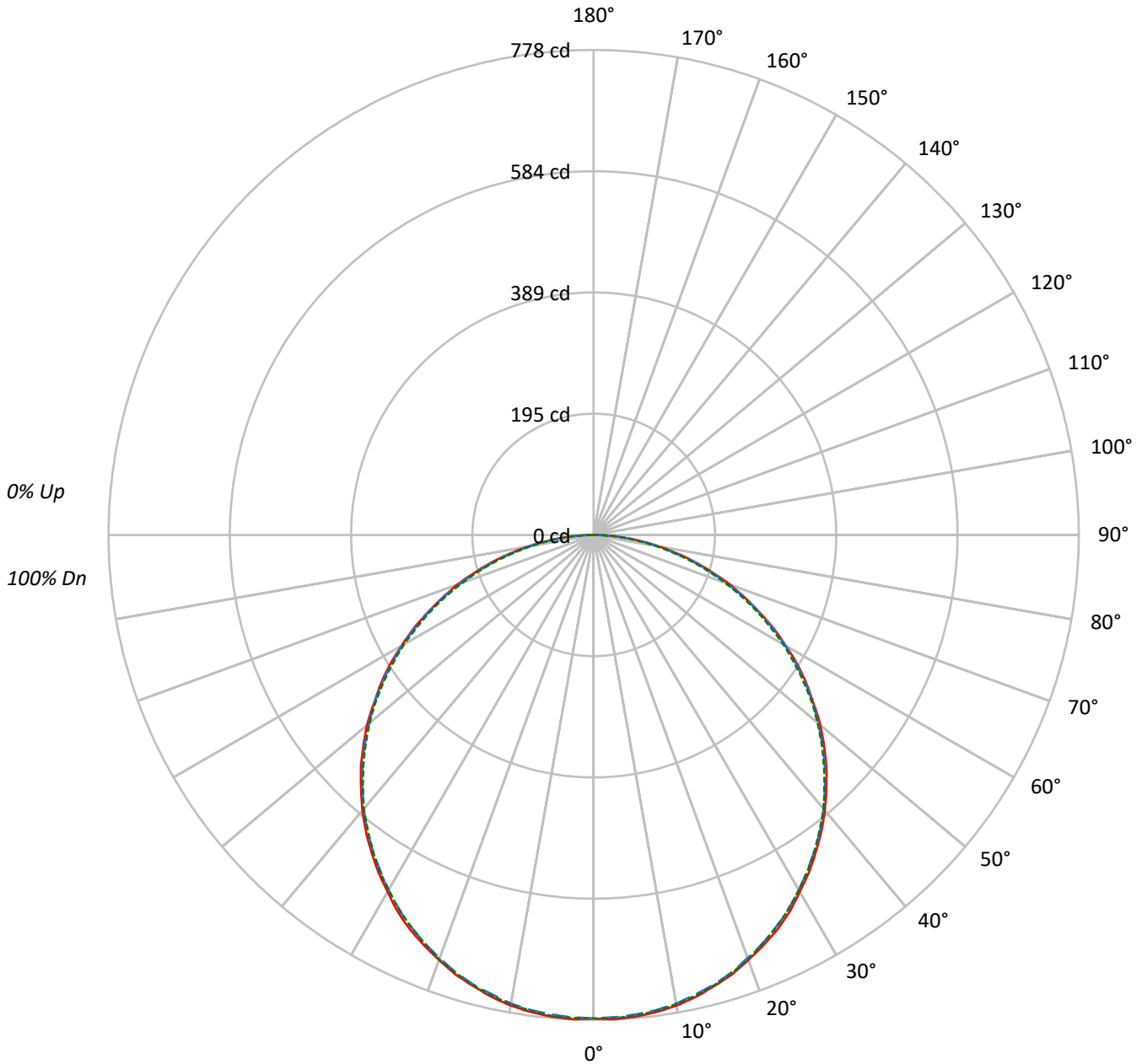
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 136.5 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): 16.7
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°	1044	1044	1044
5°	1048	1043	1046
10°	1048	1043	1044
15°	1043	1040	1042
20°	1039	1034	1037
25°	1036	1029	1029
30°	1027	1022	1022
35°	1020	1015	1015
40°	1013	1007	1007
45°	1004	998	994
50°	993	984	982
55°	977	972	964
60°	957	954	945
65°	934	930	916
70°	913	896	878
75°	878	855	837
80°	827	809	775
85°	755	738	704



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	3.2
10°-20°	210.7	9.2
20°-30°	319.8	14.0
30°-40°	386.9	17.0
40°-50°	404.2	17.7
50°-60°	369.8	16.2
60°-70°	287.8	12.6
70°-80°	173.4	7.6
80°-90°	52.9	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°	604.0	26.5
0°-40°	990.9	43.5
0°-60°	1764.9	77.4
0°-90°	2279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	776	776	776	776	776	
5°	776	773	772	772	774	74
15°	749	747	747	746	748	212
25°	698	694	693	692	693	321
35°	621	619	618	618	618	389
45°	528	524	524	522	522	407
55°	417	416	414	411	411	372
65°	293	293	292	288	288	291
75°	169	167	164	161	161	178
85°	49	48	48	46	46	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	775.6	775.6	775.6	775.6	775.6
2.5°	777.8	775.6	774.5	774.5	775.6
5°	775.6	773.3	772.2	772.2	774.5
7.5°	772.2	768.9	768.9	767.8	770.0
10°	766.7	763.3	763.3	762.2	764.5
12.5°	758.9	755.6	754.5	754.5	756.7
15°	748.9	746.7	746.7	745.6	747.8
17.5°	738.9	735.6	735.6	734.5	736.7
20°	725.6	723.3	722.2	722.2	724.5
22.5°	712.2	710.0	708.9	708.9	708.9
25°	697.8	694.5	693.3	692.2	693.3
27.5°	681.1	676.7	676.7	675.6	676.7
30°	661.1	658.9	657.8	656.7	657.8
32.5°	642.2	638.9	637.8	638.9	638.9
35°	621.1	618.9	617.8	617.8	617.8
37.5°	600.0	596.7	596.7	595.6	595.6
40°	576.7	574.5	573.3	573.3	573.3
42.5°	552.2	550.0	548.9	547.8	547.8
45°	527.8	524.5	524.5	522.2	522.2
47.5°	501.1	498.9	497.8	495.6	495.6
50°	474.5	472.2	470.0	470.0	468.9
52.5°	444.5	444.5	443.3	441.1	441.1
55°	416.7	415.6	414.5	411.1	411.1
57.5°	387.8	386.7	384.5	381.1	381.1
60°	355.6	355.6	354.5	350.0	351.1
62.5°	325.6	324.5	323.3	320.0	318.9
65°	293.3	293.3	292.2	287.8	287.8
67.5°	262.2	262.2	260.0	255.6	255.6
70°	232.2	228.9	227.8	224.4	223.3
72.5°	198.9	197.8	195.6	192.2	192.2
75°	168.9	166.7	164.4	161.1	161.1
77.5°	136.7	134.4	132.2	131.1	128.9
80°	106.7	105.6	104.4	101.1	100.0
82.5°	76.7	75.6	74.4	73.3	72.2
85°	48.9	47.8	47.8	45.6	45.6
87.5°	21.1	22.2	20.0	21.1	20.0
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)