

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: P568529

Luminaire Tested: **24CGTX-20-L835**

Issue Date: 9/19/2022



Test Information

Test Method: LM-79-08
Report Number: P568529
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-L835
Description: 2X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

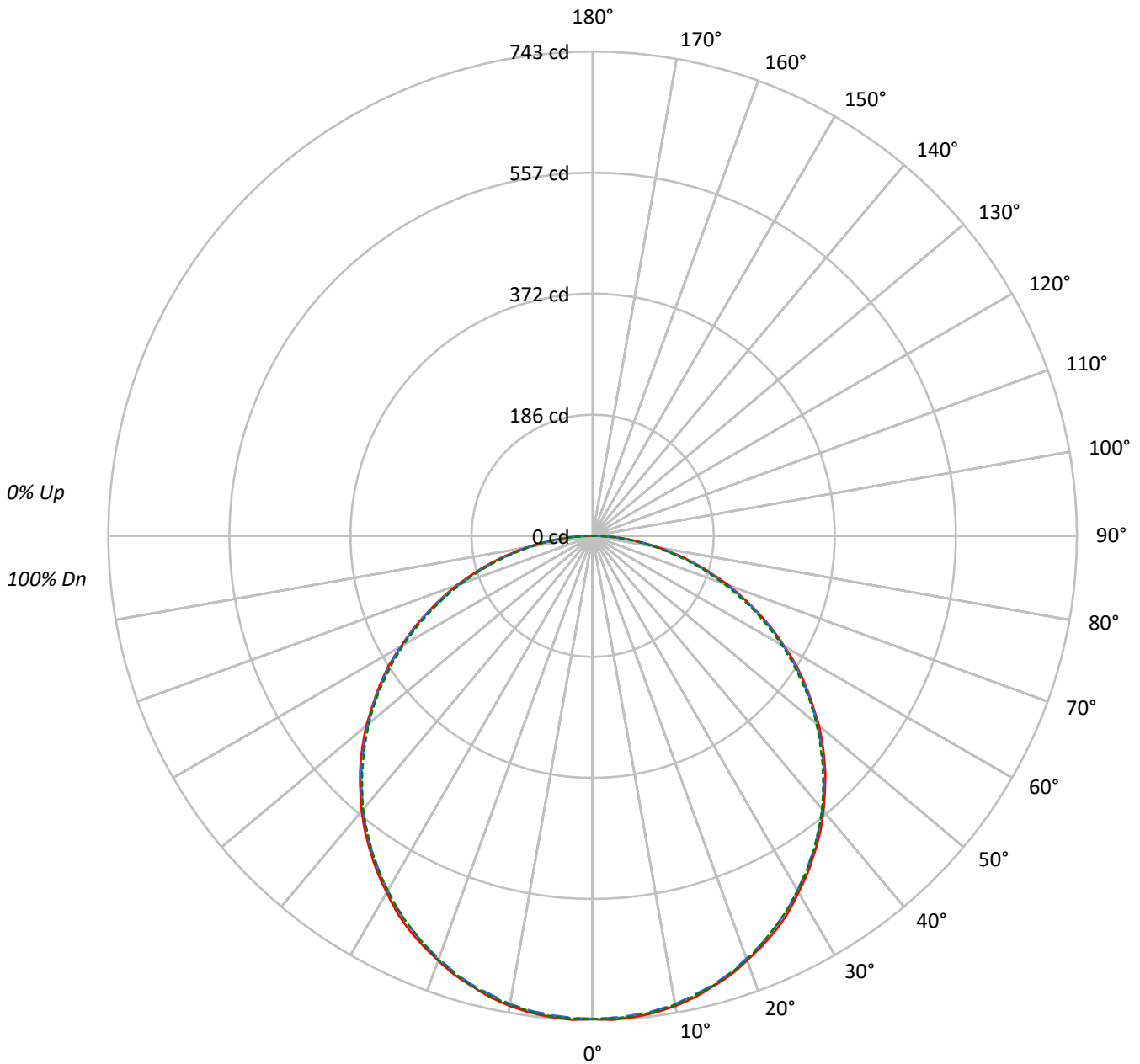
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2178.0 lumens
Efficiency: N/A
Efficacy: 130.4 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): 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°	997	997	997
5°	1001	997	1000
10°	1001	997	998
15°	997	994	996
20°	993	988	991
25°	990	984	984
30°	982	977	977
35°	975	970	970
40°	968	962	962
45°	960	954	950
50°	949	940	938
55°	934	929	922
60°	914	911	903
65°	892	889	876
70°	873	856	840
75°	839	817	801
80°	790	773	741
85°	721	706	672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	3.2
10°-20°	201.4	9.2
20°-30°	305.6	14.0
30°-40°	369.8	17.0
40°-50°	386.3	17.7
50°-60°	353.4	16.2
60°-70°	275.0	12.6
70°-80°	165.8	7.6
80°-90°	50.5	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°	577.2	26.5
0°-40°	947.0	43.5
0°-60°	1686.7	77.4
0°-90°	2178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	741	741	741	741	741	
5°	741	739	738	738	740	70
15°	716	714	714	712	715	202
25°	667	664	663	662	663	307
35°	594	592	590	590	590	372
45°	504	501	501	499	499	389
55°	398	397	396	393	393	356
65°	280	280	279	275	275	278
75°	161	159	157	154	154	170
85°	47	46	46	44	44	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	741.2	741.2	741.2	741.2	741.2
2.5°	743.3	741.2	740.1	740.1	741.2
5°	741.2	739.1	738.0	738.0	740.1
7.5°	738.0	734.8	734.8	733.8	735.9
10°	732.7	729.5	729.5	728.5	730.6
12.5°	725.3	722.1	721.0	721.0	723.1
15°	715.7	713.6	713.6	712.5	714.7
17.5°	706.2	703.0	703.0	701.9	704.0
20°	693.4	691.3	690.2	690.2	692.4
22.5°	680.7	678.5	677.5	677.5	677.5
25°	666.9	663.7	662.6	661.6	662.6
27.5°	650.9	646.7	646.7	645.6	646.7
30°	631.8	629.7	628.6	627.6	628.6
32.5°	613.8	610.6	609.5	610.6	610.6
35°	593.6	591.5	590.4	590.4	590.4
37.5°	573.4	570.2	570.2	569.2	569.2
40°	551.1	549.0	547.9	547.9	547.9
42.5°	527.8	525.6	524.6	523.5	523.5
45°	504.4	501.2	501.2	499.1	499.1
47.5°	478.9	476.8	475.7	473.6	473.6
50°	453.4	451.3	449.2	449.2	448.1
52.5°	424.8	424.8	423.7	421.6	421.6
55°	398.2	397.1	396.1	392.9	392.9
57.5°	370.6	369.5	367.4	364.2	364.2
60°	339.8	339.8	338.7	334.5	335.6
62.5°	311.1	310.1	309.0	305.8	304.8
65°	280.3	280.3	279.3	275.0	275.0
67.5°	250.6	250.6	248.5	244.2	244.2
70°	221.9	218.7	217.7	214.5	213.4
72.5°	190.1	189.0	186.9	183.7	183.7
75°	161.4	159.3	157.2	154.0	154.0
77.5°	130.6	128.5	126.4	125.3	123.2
80°	101.9	100.9	99.8	96.6	95.6
82.5°	73.3	72.2	71.1	70.1	69.0
85°	46.7	45.7	45.7	43.5	43.5
87.5°	20.2	21.2	19.1	20.2	19.1
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)