

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: P568509

Luminaire Tested: **24CGTX-20-L830**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568509
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-L830
Description: 2X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

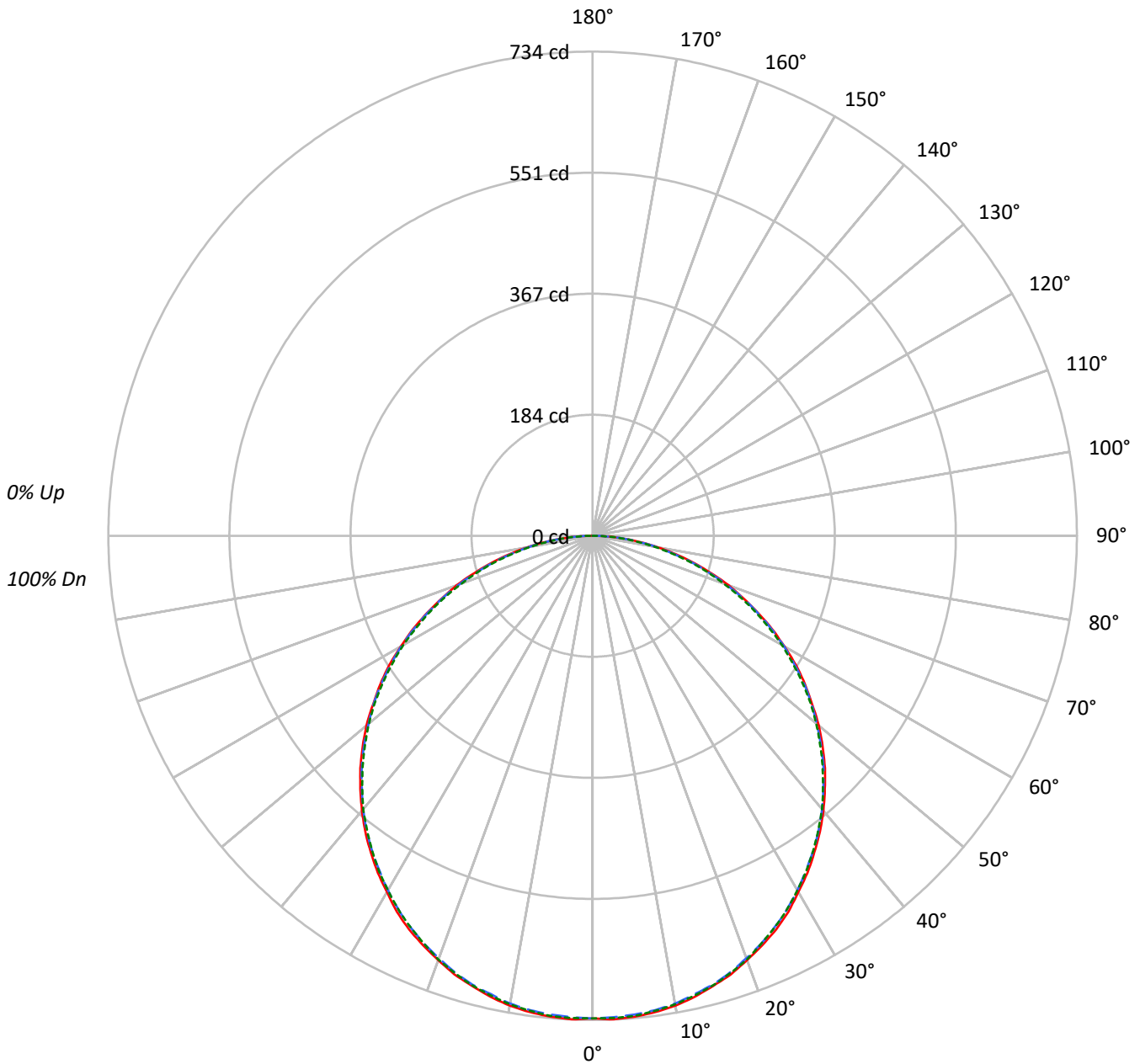
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2150.0 lumens
Efficiency: N/A
Efficacy: 128.7 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): 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°	984	984	984
5°	988	984	987
10°	988	984	985
15°	984	981	983
20°	980	976	979
25°	977	971	971
30°	969	964	964
35°	963	957	957
40°	955	950	950
45°	947	942	938
50°	937	928	926
55°	922	917	910
60°	903	900	891
65°	881	878	864
70°	862	845	829
75°	828	806	790
80°	779	763	731
85°	712	696	664



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	3.2
10°-20°	198.8	9.2
20°-30°	301.7	14.0
30°-40°	365.0	17.0
40°-50°	381.3	17.7
50°-60°	348.8	16.2
60°-70°	271.5	12.6
70°-80°	163.6	7.6
80°-90°	49.9	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°	569.8	26.5
0°-40°	934.8	43.5
0°-60°	1665.0	77.4
0°-90°	2150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	732	730	728	728	731	70
15°	706	704	704	703	706	200
25°	658	655	654	653	654	303
35°	586	584	583	583	583	367
45°	498	495	495	493	493	384
55°	393	392	391	388	388	351
65°	277	277	276	272	272	274
75°	159	157	155	152	152	168
85°	46	45	45	43	43	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.7	731.7	731.7	731.7	731.7
2.5°	733.8	731.7	730.6	730.6	731.7
5°	731.7	729.6	728.5	728.5	730.6
7.5°	728.5	725.4	725.4	724.3	726.4
10°	723.3	720.1	720.1	719.1	721.2
12.5°	715.9	712.8	711.8	711.8	713.8
15°	706.5	704.4	704.4	703.4	705.5
17.5°	697.1	693.9	693.9	692.9	695.0
20°	684.5	682.4	681.4	681.4	683.5
22.5°	671.9	669.8	668.8	668.8	668.8
25°	658.3	655.1	654.1	653.1	654.1
27.5°	642.6	638.4	638.4	637.3	638.4
30°	623.7	621.6	620.6	619.5	620.6
32.5°	605.9	602.7	601.7	602.7	602.7
35°	586.0	583.9	582.8	582.8	582.8
37.5°	566.0	562.9	562.9	561.9	561.9
40°	544.0	541.9	540.9	540.9	540.9
42.5°	521.0	518.9	517.8	516.8	516.8
45°	497.9	494.8	494.8	492.7	492.7
47.5°	472.8	470.7	469.6	467.5	467.5
50°	447.6	445.5	443.4	443.4	442.4
52.5°	419.3	419.3	418.2	416.1	416.1
55°	393.1	392.0	391.0	387.8	387.8
57.5°	365.8	364.8	362.7	359.5	359.5
60°	335.4	335.4	334.4	330.2	331.2
62.5°	307.1	306.1	305.0	301.9	300.8
65°	276.7	276.7	275.7	271.5	271.5
67.5°	247.4	247.4	245.3	241.1	241.1
70°	219.1	215.9	214.9	211.7	210.7
72.5°	187.6	186.6	184.5	181.3	181.3
75°	159.3	157.2	155.1	152.0	152.0
77.5°	128.9	126.8	124.7	123.7	121.6
80°	100.6	99.6	98.5	95.4	94.3
82.5°	72.3	71.3	70.2	69.2	68.1
85°	46.1	45.1	45.1	43.0	43.0
87.5°	19.9	21.0	18.9	19.9	18.9
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)