

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: P568579

Luminaire Tested: **24CGTX-20-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568579
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-L950
Description: 2X4 2000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

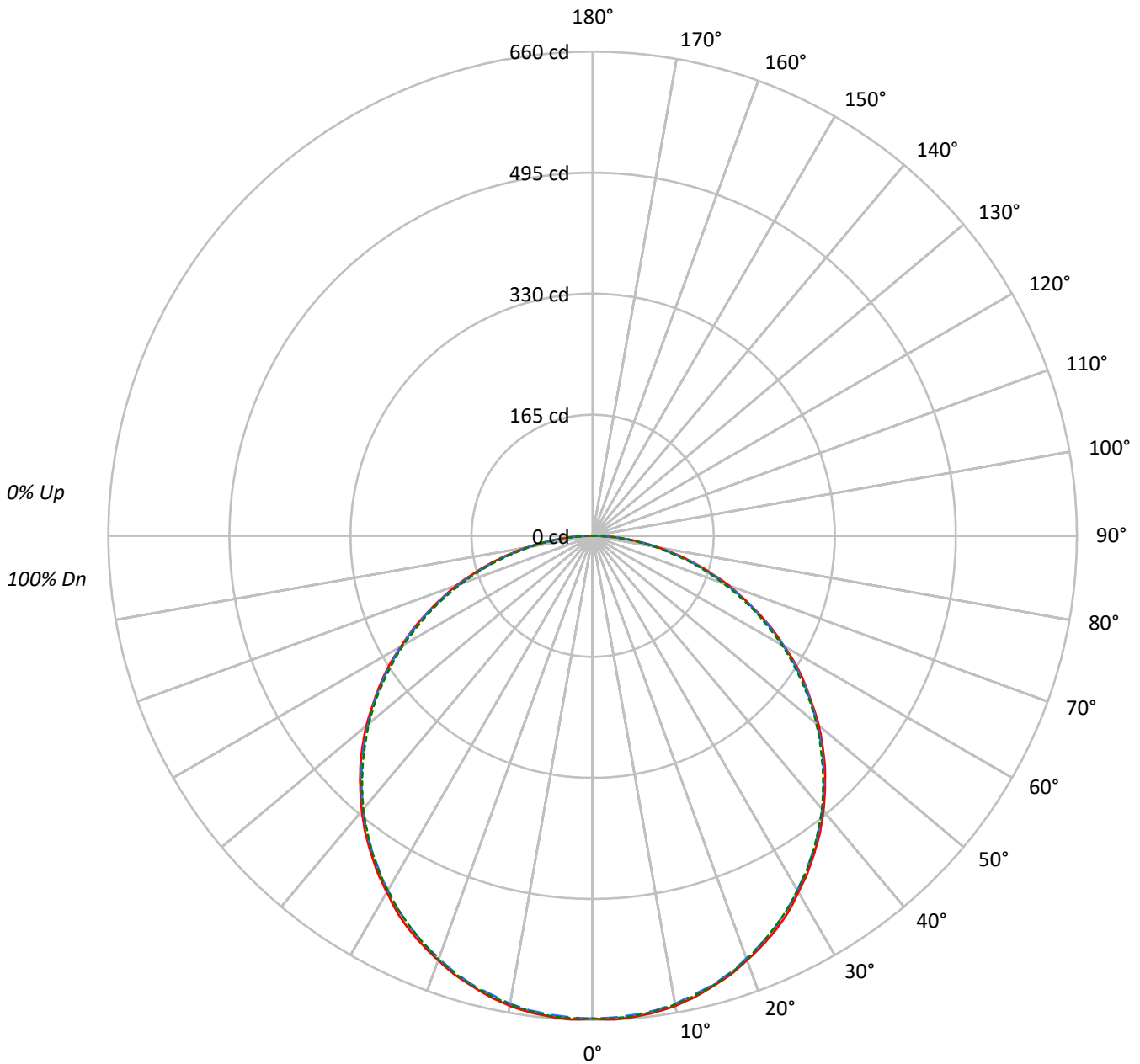
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1934.0 lumens
Efficiency: N/A
Efficacy: 115.8 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): 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					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	23				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	886	886	886
5°	889	885	888
10°	889	885	886
15°	885	883	884
20°	882	878	880
25°	879	874	874
30°	872	867	867
35°	866	861	861
40°	860	854	854
45°	852	847	843
50°	843	835	833
55°	829	825	818
60°	812	809	802
65°	792	790	777
70°	775	760	745
75°	745	726	711
80°	701	687	658
85°	641	625	597



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	3.2
10°-20°	178.8	9.2
20°-30°	271.4	14.0
30°-40°	328.4	17.0
40°-50°	343.0	17.7
50°-60°	313.8	16.2
60°-70°	244.2	12.6
70°-80°	147.2	7.6
80°-90°	44.9	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°	512.6	26.5
0°-40°	840.9	43.5
0°-60°	1497.7	77.4
0°-90°	1934.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1934.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	658	656	655	655	657	63
15°	636	634	634	633	635	179
25°	592	589	588	587	588	273
35°	527	525	524	524	524	330
45°	448	445	445	443	443	345
55°	354	353	352	349	349	316
65°	249	249	248	244	244	247
75°	143	141	140	137	137	151
85°	42	40	40	39	39	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.2	658.2	658.2	658.2	658.2
2.5°	660.0	658.2	657.2	657.2	658.2
5°	658.2	656.3	655.3	655.3	657.2
7.5°	655.3	652.5	652.5	651.6	653.4
10°	650.6	647.8	647.8	646.8	648.7
12.5°	644.0	641.2	640.2	640.2	642.1
15°	635.5	633.6	633.6	632.7	634.6
17.5°	627.0	624.2	624.2	623.3	625.2
20°	615.7	613.8	612.9	612.9	614.8
22.5°	604.4	602.5	601.6	601.6	601.6
25°	592.2	589.3	588.4	587.4	588.4
27.5°	578.0	574.2	574.2	573.3	574.2
30°	561.0	559.2	558.2	557.3	558.2
32.5°	545.0	542.2	541.2	542.2	542.2
35°	527.1	525.2	524.3	524.3	524.3
37.5°	509.2	506.4	506.4	505.4	505.4
40°	489.4	487.5	486.5	486.5	486.5
42.5°	468.6	466.7	465.8	464.9	464.9
45°	447.9	445.1	445.1	443.2	443.2
47.5°	425.3	423.4	422.4	420.5	420.5
50°	402.6	400.7	398.9	398.9	397.9
52.5°	377.2	377.2	376.2	374.3	374.3
55°	353.6	352.7	351.7	348.9	348.9
57.5°	329.1	328.1	326.3	323.4	323.4
60°	301.7	301.7	300.8	297.0	298.0
62.5°	276.3	275.3	274.4	271.6	270.6
65°	248.9	248.9	248.0	244.2	244.2
67.5°	222.5	222.5	220.6	216.9	216.9
70°	197.1	194.2	193.3	190.5	189.5
72.5°	168.8	167.8	166.0	163.1	163.1
75°	143.3	141.4	139.6	136.7	136.7
77.5°	116.0	114.1	112.2	111.3	109.4
80°	90.5	89.6	88.6	85.8	84.9
82.5°	65.1	64.1	63.2	62.2	61.3
85°	41.5	40.5	40.5	38.7	38.7
87.5°	17.9	18.9	17.0	17.9	17.0
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)