

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: P568454

Luminaire Tested: **24CGTX-20HE-L935**

Issue Date: 9/19/2022



**Test Information**

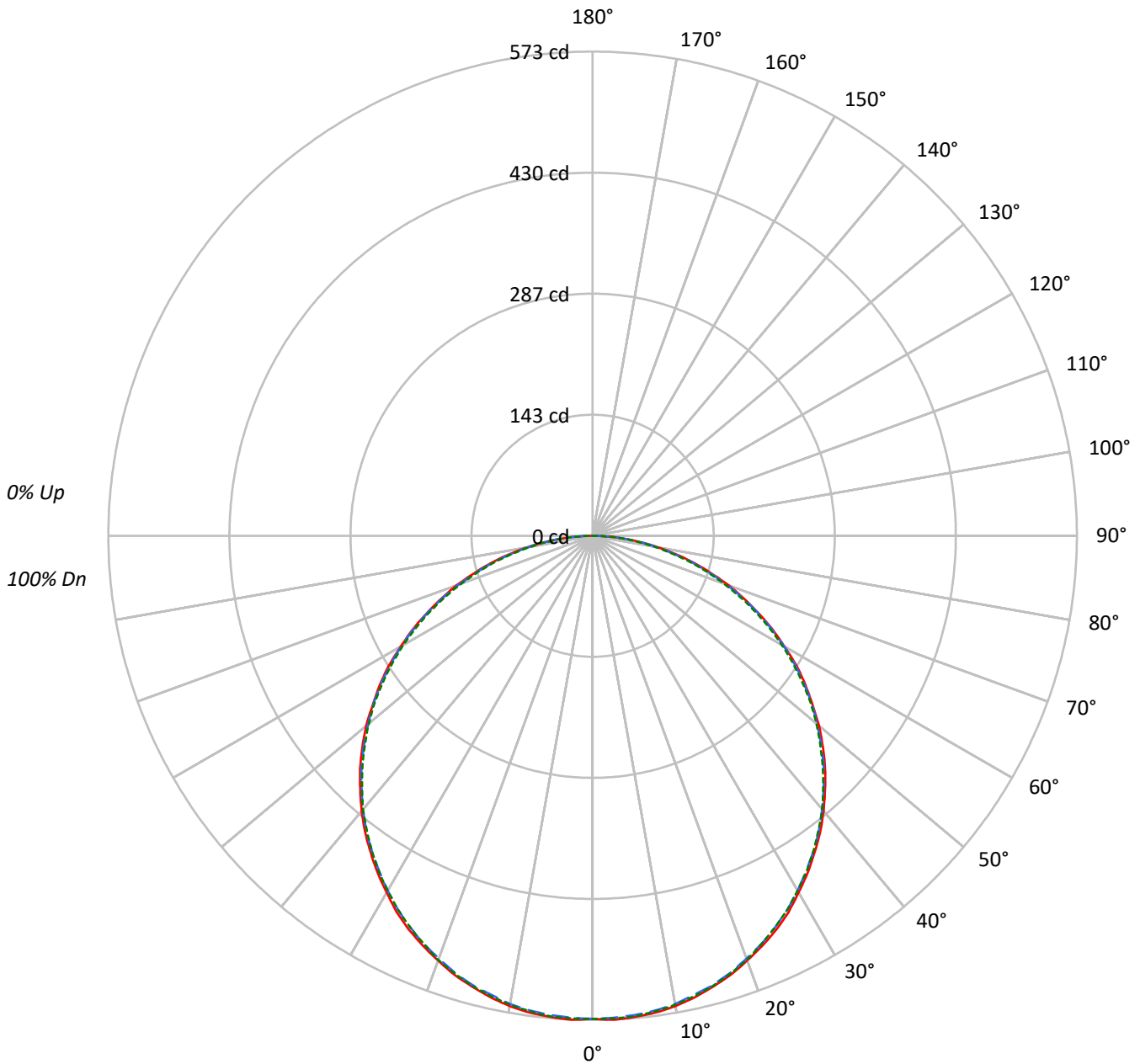
Test Method: LM-79-08  
Report Number: P568454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-20HE-L935  
Description: 2X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1680.0 lumens  
Efficiency: N/A  
Efficacy: 113.5 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): 14.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	24			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	769	769	769
5°	772	769	771
10°	772	769	770
15°	769	767	768
20°	766	762	765
25°	764	759	759
30°	757	753	753
35°	752	748	748
40°	747	742	742
45°	740	736	733
50°	732	725	724
55°	721	717	711
60°	705	703	696
65°	688	686	675
70°	673	661	648
75°	647	630	618
80°	609	597	571
85°	556	543	519



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.2	3.2
10°-20°	155.3	9.2
20°-30°	235.7	14.0
30°-40°	285.2	17.0
40°-50°	298.0	17.7
50°-60°	272.6	16.2
60°-70°	212.1	12.6
70°-80°	127.9	7.6
80°-90°	39.0	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°	445.2	26.5
0°-40°	730.5	43.5
0°-60°	1301.0	77.4
0°-90°	1680.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1680.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	572	572	572	572	572	
5°	572	570	569	569	571	54
15°	552	550	550	550	551	156
25°	514	512	511	510	511	237
35°	458	456	455	455	455	287
45°	389	387	387	385	385	300
55°	307	306	306	303	303	274
65°	216	216	215	212	212	214
75°	124	123	121	119	119	131
85°	36	35	35	34	34	40
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	571.7	571.7	571.7	571.7	571.7
2.5°	573.4	571.7	570.9	570.9	571.7
5°	571.7	570.1	569.3	569.3	570.9
7.5°	569.3	566.8	566.8	566.0	567.6
10°	565.2	562.7	562.7	561.9	563.5
12.5°	559.4	557.0	556.2	556.2	557.8
15°	552.1	550.4	550.4	549.6	551.2
17.5°	544.7	542.2	542.2	541.4	543.1
20°	534.9	533.2	532.4	532.4	534.0
22.5°	525.0	523.4	522.6	522.6	522.6
25°	514.4	511.9	511.1	510.3	511.1
27.5°	502.1	498.8	498.8	498.0	498.8
30°	487.4	485.7	484.9	484.1	484.9
32.5°	473.4	471.0	470.2	471.0	471.0
35°	457.9	456.2	455.4	455.4	455.4
37.5°	442.3	439.8	439.8	439.0	439.0
40°	425.1	423.5	422.6	422.6	422.6
42.5°	407.1	405.4	404.6	403.8	403.8
45°	389.1	386.6	386.6	385.0	385.0
47.5°	369.4	367.8	367.0	365.3	365.3
50°	349.8	348.1	346.5	346.5	345.7
52.5°	327.6	327.6	326.8	325.2	325.2
55°	307.2	306.3	305.5	303.1	303.1
57.5°	285.9	285.0	283.4	280.9	280.9
60°	262.1	262.1	261.3	258.0	258.8
62.5°	240.0	239.2	238.4	235.9	235.1
65°	216.2	216.2	215.4	212.1	212.1
67.5°	193.3	193.3	191.7	188.4	188.4
70°	171.2	168.7	167.9	165.5	164.6
72.5°	146.6	145.8	144.2	141.7	141.7
75°	124.5	122.9	121.2	118.8	118.8
77.5°	100.7	99.1	97.5	96.7	95.0
80°	78.6	77.8	77.0	74.5	73.7
82.5°	56.5	55.7	54.9	54.1	53.2
85°	36.0	35.2	35.2	33.6	33.6
87.5°	15.6	16.4	14.7	15.6	14.7
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)