

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: P568432

Luminaire Tested: **24CGTX-20HE-L930**

Issue Date: 9/19/2022



**Test Information**

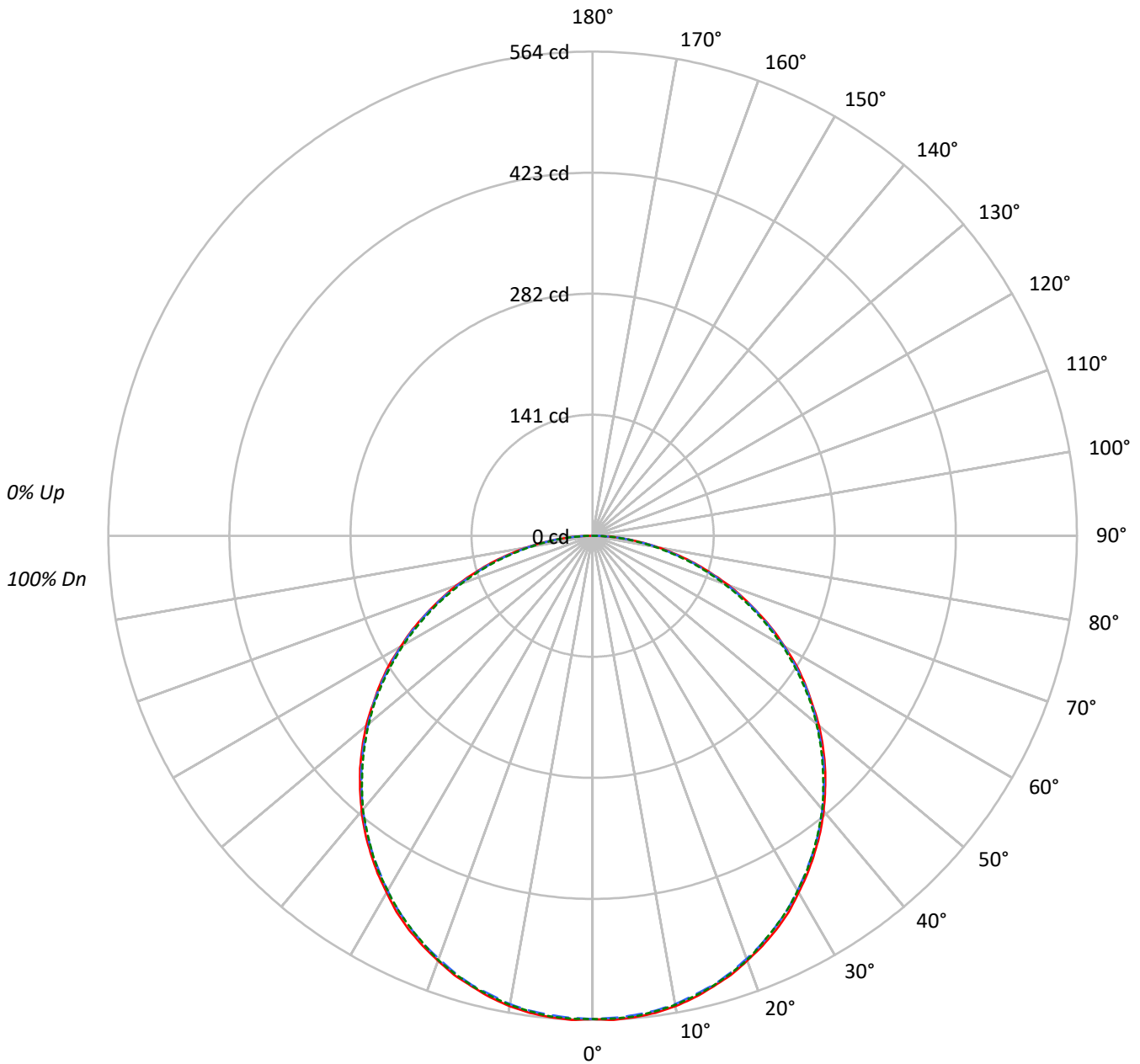
Test Method: LM-79-08  
Report Number: P568432  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-20HE-L930  
Description: 2X4 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1654.0 lumens  
Efficiency: N/A  
Efficacy: 111.8 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): 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°	757	757	757
5°	760	757	759
10°	760	757	758
15°	757	755	756
20°	754	751	753
25°	752	747	747
30°	745	742	742
35°	740	737	737
40°	735	731	731
45°	729	724	721
50°	721	714	712
55°	709	706	700
60°	695	692	686
65°	678	675	665
70°	663	650	638
75°	637	620	608
80°	600	587	563
85°	548	536	511



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.3	3.2
10°-20°	152.9	9.2
20°-30°	232.1	14.0
30°-40°	280.8	17.0
40°-50°	293.4	17.7
50°-60°	268.3	16.2
60°-70°	208.9	12.6
70°-80°	125.9	7.6
80°-90°	38.4	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°	438.4	26.5
0°-40°	719.2	43.5
0°-60°	1280.9	77.4
0°-90°	1654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1654.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	563	563	563	563	563	
5°	563	561	560	560	562	54
15°	544	542	542	541	543	154
25°	506	504	503	502	503	233
35°	451	449	448	448	448	282
45°	383	381	381	379	379	295
55°	302	302	301	298	298	270
65°	213	213	212	209	209	211
75°	123	121	119	117	117	129
85°	36	35	35	33	33	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	562.9	562.9	562.9	562.9	562.9
2.5°	564.5	562.9	562.1	562.1	562.9
5°	562.9	561.3	560.5	560.5	562.1
7.5°	560.5	558.0	558.0	557.2	558.8
10°	556.4	554.0	554.0	553.2	554.8
12.5°	550.8	548.4	547.6	547.6	549.2
15°	543.5	541.9	541.9	541.1	542.7
17.5°	536.3	533.8	533.8	533.0	534.7
20°	526.6	525.0	524.2	524.2	525.8
22.5°	516.9	515.3	514.5	514.5	514.5
25°	506.4	504.0	503.2	502.4	503.2
27.5°	494.3	491.1	491.1	490.3	491.1
30°	479.8	478.2	477.4	476.6	477.4
32.5°	466.1	463.7	462.9	463.7	463.7
35°	450.8	449.2	448.4	448.4	448.4
37.5°	435.5	433.0	433.0	432.2	432.2
40°	418.5	416.9	416.1	416.1	416.1
42.5°	400.8	399.2	398.4	397.6	397.6
45°	383.0	380.6	380.6	379.0	379.0
47.5°	363.7	362.1	361.3	359.7	359.7
50°	344.3	342.7	341.1	341.1	340.3
52.5°	322.6	322.6	321.8	320.1	320.1
55°	302.4	301.6	300.8	298.4	298.4
57.5°	281.4	280.6	279.0	276.6	276.6
60°	258.1	258.1	257.2	254.0	254.8
62.5°	236.3	235.5	234.7	232.2	231.4
65°	212.9	212.9	212.1	208.9	208.9
67.5°	190.3	190.3	188.7	185.5	185.5
70°	168.5	166.1	165.3	162.9	162.1
72.5°	144.3	143.5	141.9	139.5	139.5
75°	122.6	121.0	119.3	116.9	116.9
77.5°	99.2	97.6	96.0	95.2	93.5
80°	77.4	76.6	75.8	73.4	72.6
82.5°	55.6	54.8	54.0	53.2	52.4
85°	35.5	34.7	34.7	33.1	33.1
87.5°	15.3	16.1	14.5	15.3	14.5
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)