

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: P568277

Luminaire Tested: **14CGTX-30HE-L830**

Issue Date: 9/19/2022

**Test Information**

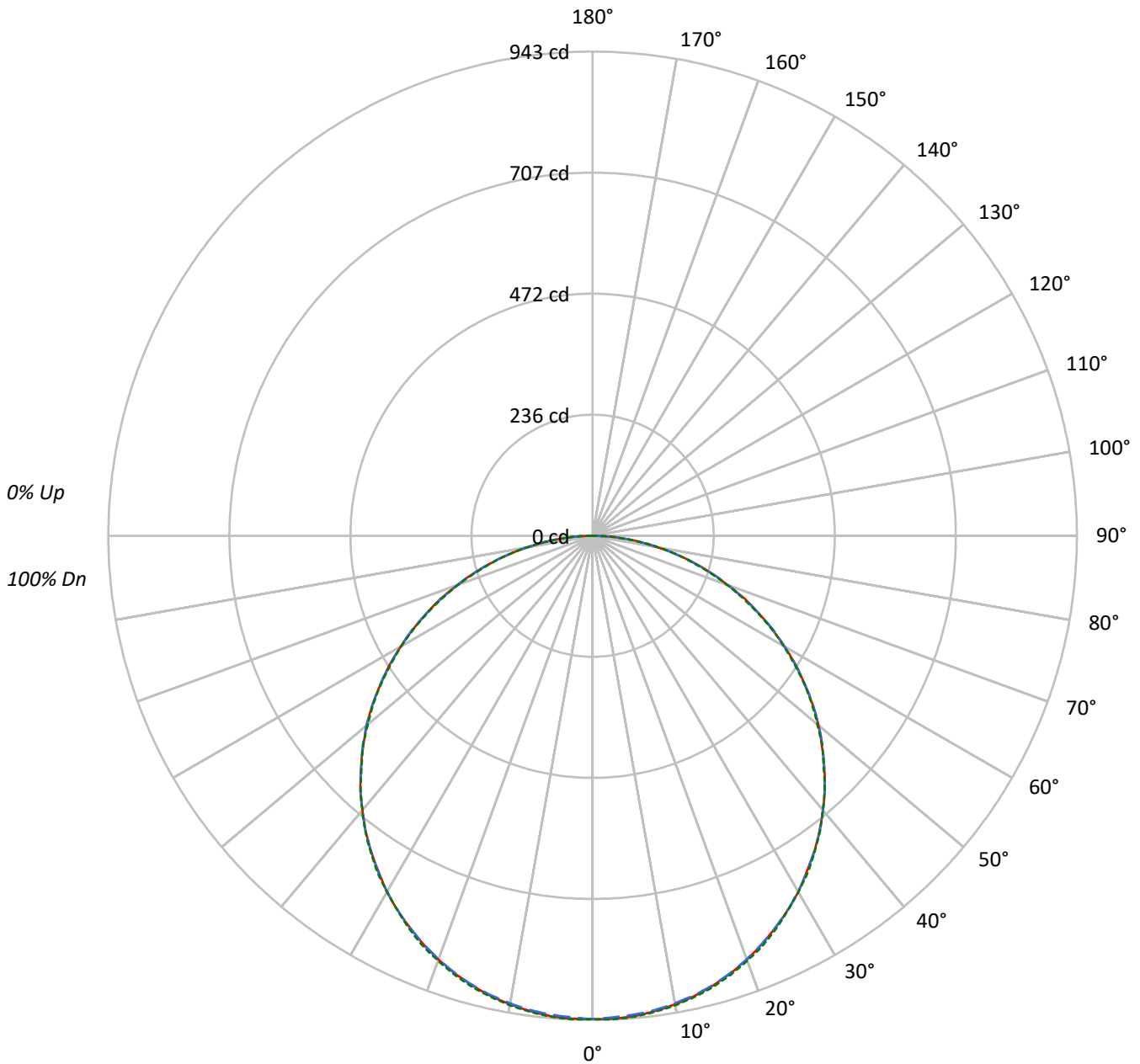
Test Method: LM-79-08  
Report Number: P568277  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-30HE-L830  
Description: 1X4 3000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 80CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2783.0 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.38  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 22.4  
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										
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	93	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	63	87	77	69	63	74	67	62	71	65	61	69	64	60	57								
4	82	69	60	54	79	68	60	53	66	58	52	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	44	39	50	44	39	37								
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32								
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29								
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26								
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23								

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

	0°	45°	90°
0°	2533	2533	2533
5°	2536	2529	2540
10°	2532	2526	2537
15°	2525	2523	2533
20°	2515	2513	2522
25°	2500	2500	2508
30°	2489	2487	2489
35°	2469	2471	2474
40°	2451	2451	2451
45°	2428	2427	2420
50°	2406	2406	2391
55°	2364	2370	2360
60°	2321	2321	2315
65°	2271	2269	2255
70°	2198	2209	2183
75°	2128	2131	2102
80°	1977	2010	2010
85°	1862	1840	1809



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.2	3.2
10°-20°	256.0	9.2
20°-30°	388.7	14.0
30°-40°	470.7	16.9
40°-50°	492.4	17.7
50°-60°	451.0	16.2
60°-70°	352.7	12.7
70°-80°	215.7	7.8
80°-90°	66.4	2.4
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°	734.0	26.4
0°-40°	1204.7	43.3
0°-60°	2148.2	77.2
0°-90°	2783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2783.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	939	939	936	939	940	89
15°	906	907	906	908	909	256
25°	842	844	842	844	845	388
35°	752	752	752	753	753	470
45°	638	639	638	638	636	492
55°	504	507	505	504	503	451
65°	357	358	356	355	354	353
75°	205	204	205	204	202	216
85°	60	58	60	58	59	67
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	941.4	941.4	941.4	941.4	941.4
2.5°	941.4	941.4	938.6	942.1	942.8
5°	938.9	938.9	936.1	939.3	940.3
7.5°	933.7	934.0	931.6	934.7	935.1
10°	926.7	927.1	924.6	928.1	928.5
12.5°	918.0	918.4	916.3	919.4	919.8
15°	906.5	907.2	905.8	908.2	909.3
17.5°	893.3	894.3	892.6	895.7	896.0
20°	878.3	878.6	877.6	880.0	880.7
22.5°	861.2	862.2	860.5	863.6	864.7
25°	842.0	843.7	842.0	844.1	844.8
27.5°	822.5	823.9	822.5	823.5	822.8
30°	800.9	801.2	800.5	800.9	800.9
32.5°	775.8	777.2	776.5	778.2	778.9
35°	751.7	752.1	752.1	753.1	753.1
37.5°	725.6	725.6	725.9	726.9	726.9
40°	697.7	698.4	697.7	698.4	697.7
42.5°	669.4	669.1	669.4	669.8	668.7
45°	638.0	639.1	637.7	637.7	635.9
47.5°	605.6	607.7	607.4	606.3	606.7
50°	574.6	575.3	574.6	573.5	571.1
52.5°	540.1	542.2	540.4	540.8	538.0
55°	503.8	507.3	505.2	503.8	503.1
57.5°	469.3	470.3	468.2	466.5	465.5
60°	431.3	432.7	431.3	429.9	430.2
62.5°	394.0	396.1	396.4	393.6	392.9
65°	356.7	358.4	356.3	354.9	354.2
67.5°	320.4	320.1	318.3	316.6	315.9
70°	279.3	281.7	280.7	281.0	277.5
72.5°	242.7	243.0	242.0	242.0	239.2
75°	204.7	203.6	205.0	203.6	202.2
77.5°	167.0	168.1	167.7	166.0	167.4
80°	127.6	129.0	129.7	128.3	129.7
82.5°	94.5	94.5	94.1	94.1	93.1
85°	60.3	58.2	59.6	58.2	58.6
87.5°	27.5	27.2	25.8	26.8	26.5
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)