

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: P568282

Luminaire Tested: **14CGTX-30HE-L930**

Issue Date: 9/19/2022

**Test Information**

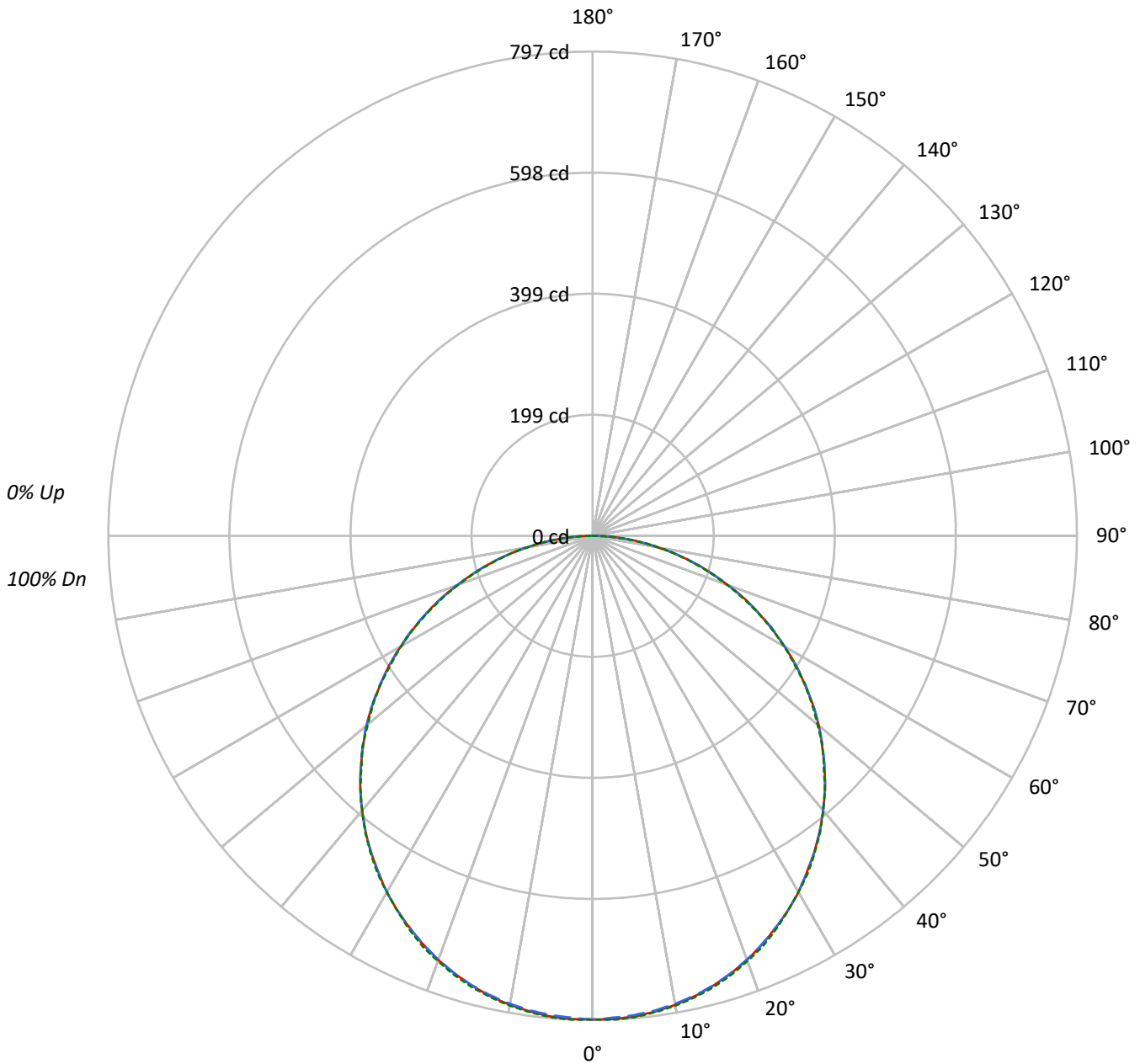
Test Method: LM-79-08  
Report Number: P568282  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-30HE-L930  
Description: 1X4 3000 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: 2354.0 lumens  
Efficiency: N/A  
Efficacy: 105.1 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

TEST NUMBER: P568282  
CATALOG NUMBER: 14CGTX-30HE-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P568282

CATALOG NUMBER: 14CGTX-30HE-L930

**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°	2143	2143	2143
5°	2145	2139	2149
10°	2142	2137	2146
15°	2136	2135	2143
20°	2127	2126	2133
25°	2115	2115	2122
30°	2105	2104	2105
35°	2089	2090	2093
40°	2073	2073	2073
45°	2054	2053	2047
50°	2035	2035	2022
55°	1999	2005	1997
60°	1963	1963	1958
65°	1921	1919	1908
70°	1858	1868	1847
75°	1800	1803	1778
80°	1672	1700	1700
85°	1575	1556	1528



TEST NUMBER: P568282  
 CATALOG NUMBER: 14CGTX-30HE-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.5	3.2
10°-20°	216.6	9.2
20°-30°	328.8	14.0
30°-40°	398.2	16.9
40°-50°	416.5	17.7
50°-60°	381.5	16.2
60°-70°	298.4	12.7
70°-80°	182.5	7.8
80°-90°	56.2	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°	620.9	26.4
0°-40°	1019.0	43.3
0°-60°	1817.0	77.2
0°-90°	2354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2354.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	794	794	792	794	795	75
15°	767	767	766	768	769	216
25°	712	714	712	714	715	328
35°	636	636	636	637	637	398
45°	540	541	539	539	538	416
55°	426	429	427	426	426	381
65°	302	303	301	300	300	299
75°	173	172	173	172	171	182
85°	51	49	50	49	50	57
90°	0	0	0	0	0	



TEST NUMBER: P568282

CATALOG NUMBER: 14CGTX-30HE-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	796.3	796.3	796.3	796.3	796.3
2.5°	796.3	796.3	793.9	796.8	797.4
5°	794.2	794.2	791.8	794.5	795.4
7.5°	789.8	790.1	788.0	790.7	791.0
10°	783.9	784.2	782.1	785.1	785.3
12.5°	776.5	776.8	775.0	777.7	778.0
15°	766.8	767.4	766.2	768.2	769.1
17.5°	755.6	756.4	755.0	757.6	757.9
20°	742.9	743.2	742.3	744.4	744.9
22.5°	728.4	729.3	727.8	730.5	731.4
25°	712.2	713.7	712.2	714.0	714.6
27.5°	695.7	696.9	695.7	696.6	696.0
30°	677.4	677.7	677.1	677.4	677.4
32.5°	656.2	657.4	656.8	658.2	658.8
35°	635.8	636.1	636.1	637.0	637.0
37.5°	613.7	613.7	614.0	614.9	614.9
40°	590.1	590.7	590.1	590.7	590.1
42.5°	566.2	565.9	566.2	566.5	565.6
45°	539.7	540.6	539.4	539.4	537.9
47.5°	512.3	514.0	513.7	512.8	513.1
50°	486.0	486.6	486.0	485.1	483.1
52.5°	456.8	458.6	457.1	457.4	455.0
55°	426.1	429.1	427.3	426.1	425.6
57.5°	396.9	397.8	396.1	394.6	393.7
60°	364.8	366.0	364.8	363.6	363.9
62.5°	333.2	335.0	335.3	333.0	332.4
65°	301.7	303.2	301.4	300.2	299.6
67.5°	271.0	270.7	269.3	267.8	267.2
70°	236.2	238.3	237.4	237.7	234.7
72.5°	205.3	205.6	204.7	204.7	202.3
75°	173.1	172.2	173.4	172.2	171.0
77.5°	141.3	142.1	141.9	140.4	141.6
80°	107.9	109.1	109.7	108.5	109.7
82.5°	79.9	79.9	79.6	79.6	78.7
85°	51.0	49.3	50.4	49.3	49.5
87.5°	23.3	23.0	21.8	22.7	22.4
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)