

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: P568281

Luminaire Tested: **14CGTX-20HE-L930**

Issue Date: 9/19/2022

**Test Information**

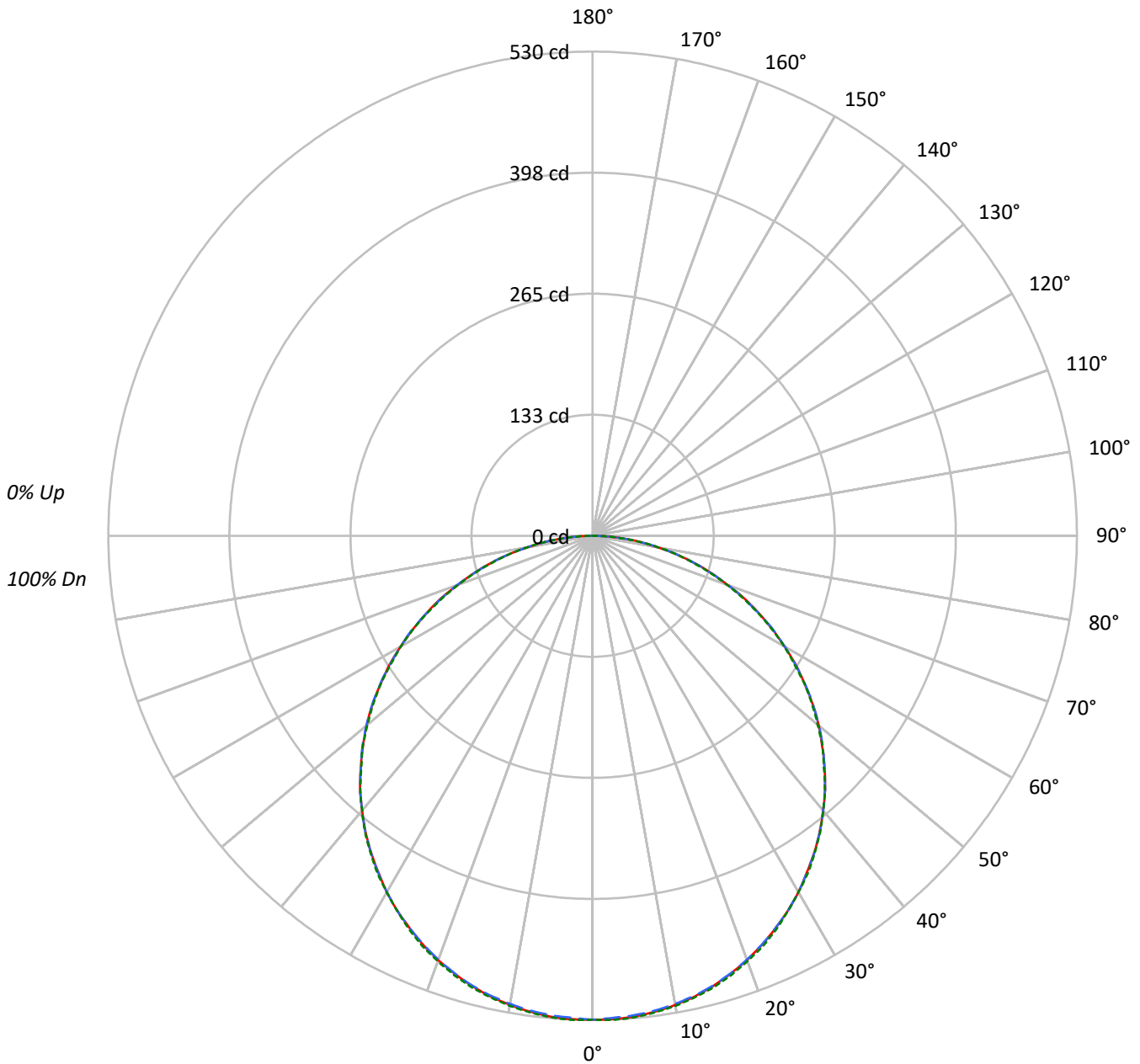
Test Method: LM-79-08  
Report Number: P568281  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 14CGTX-20HE-L930  
Description: 1X4 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: 1566.0 lumens  
Efficiency: N/A  
Efficacy: 105.8 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): 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

TEST NUMBER: P568281  
CATALOG NUMBER: 14CGTX-20HE-L930

### Luminous Intensity Polar Plot





TEST NUMBER: P568281

CATALOG NUMBER: 14CGTX-20HE-L930

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	68																			
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°	1425	1425	1425
5°	1427	1423	1429
10°	1425	1422	1428
15°	1421	1420	1426
20°	1415	1414	1419
25°	1407	1407	1412
30°	1400	1400	1400
35°	1390	1390	1392
40°	1379	1379	1379
45°	1366	1365	1362
50°	1353	1353	1346
55°	1330	1334	1328
60°	1306	1306	1303
65°	1278	1277	1269
70°	1236	1242	1229
75°	1198	1200	1183
80°	1113	1131	1131
85°	1047	1034	1019



TEST NUMBER: P568281

CATALOG NUMBER: 14CGTX-20HE-L930

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.2	3.2
10°-20°	144.1	9.2
20°-30°	218.8	14.0
30°-40°	264.9	16.9
40°-50°	277.1	17.7
50°-60°	253.8	16.2
60°-70°	198.5	12.7
70°-80°	121.4	7.8
80°-90°	37.4	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°	413.0	26.4
0°-40°	677.9	43.3
0°-60°	1208.8	77.2
0°-90°	1566.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1566.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	530	530	530	530	530	
5°	528	528	527	528	529	50
15°	510	510	510	511	512	144
25°	474	475	474	475	475	219
35°	423	423	423	424	424	265
45°	359	360	359	359	358	277
55°	284	286	284	284	283	254
65°	201	202	200	200	199	199
75°	115	115	115	115	114	121
85°	34	33	34	33	33	38
90°	0	0	0	0	0	



TEST NUMBER: P568281

CATALOG NUMBER: 14CGTX-20HE-L930

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	529.7	529.7	529.7	529.7	529.7
2.5°	529.7	529.7	528.1	530.1	530.5
5°	528.3	528.3	526.8	528.5	529.1
7.5°	525.4	525.6	524.2	526.0	526.2
10°	521.5	521.7	520.3	522.3	522.5
12.5°	516.6	516.8	515.6	517.4	517.5
15°	510.1	510.5	509.7	511.1	511.7
17.5°	502.6	503.2	502.2	504.0	504.2
20°	494.2	494.4	493.8	495.2	495.6
22.5°	484.6	485.2	484.2	486.0	486.5
25°	473.8	474.8	473.8	475.0	475.4
27.5°	462.8	463.6	462.8	463.4	463.0
30°	450.6	450.8	450.5	450.6	450.6
32.5°	436.5	437.3	436.9	437.9	438.3
35°	423.0	423.2	423.2	423.8	423.8
37.5°	408.3	408.3	408.5	409.1	409.1
40°	392.6	393.0	392.6	393.0	392.6
42.5°	376.7	376.5	376.7	376.9	376.3
45°	359.0	359.6	358.8	358.8	357.8
47.5°	340.8	342.0	341.8	341.2	341.4
50°	323.3	323.7	323.3	322.7	321.4
52.5°	303.9	305.1	304.1	304.3	302.7
55°	283.5	285.5	284.3	283.5	283.1
57.5°	264.1	264.7	263.5	262.5	261.9
60°	242.7	243.5	242.7	241.9	242.1
62.5°	221.7	222.9	223.1	221.5	221.1
65°	200.7	201.7	200.5	199.7	199.3
67.5°	180.3	180.1	179.1	178.1	177.7
70°	157.1	158.5	157.9	158.1	156.2
72.5°	136.5	136.7	136.2	136.2	134.6
75°	115.2	114.6	115.4	114.6	113.8
77.5°	94.0	94.6	94.4	93.4	94.2
80°	71.8	72.6	73.0	72.2	73.0
82.5°	53.2	53.2	53.0	53.0	52.4
85°	33.9	32.8	33.5	32.8	33.0
87.5°	15.5	15.3	14.5	15.1	14.9
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)