

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: P568422

Luminaire Tested: **24CGTX-30HE-L830**

Issue Date: 9/19/2022

**Test Information**

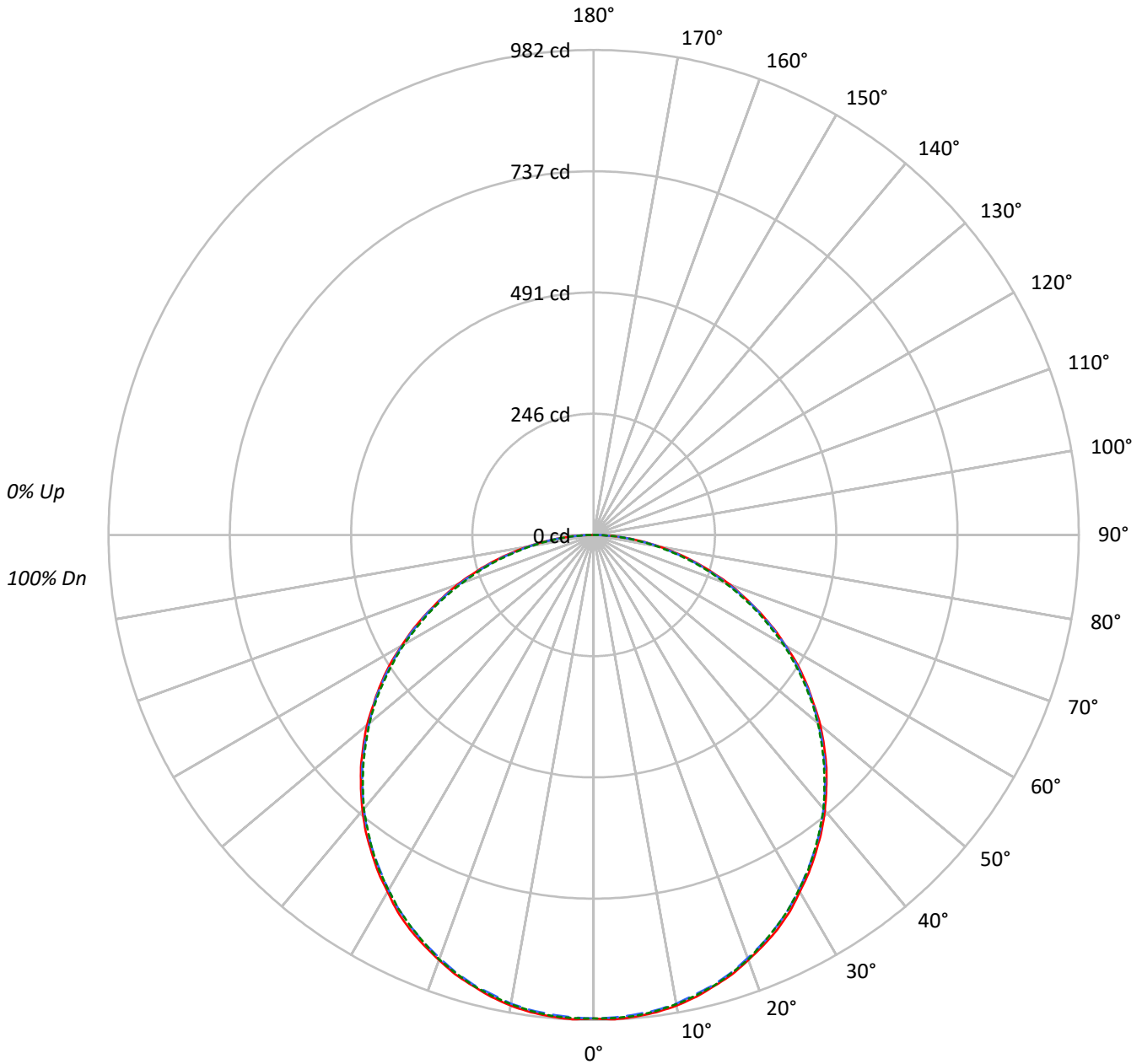
Test Method: LM-79-08  
Report Number: P568422  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-30HE-L830  
Description: 2X4 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: 2877.0 lumens  
Efficiency: N/A  
Efficacy: 129.0 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): 22.3  
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: P568422  
CATALOG NUMBER: 24CGTX-30HE-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P568422

CATALOG NUMBER: 24CGTX-30HE-L830

**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	23			

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

	0°	45°	90°
0°	1317	1317	1317
5°	1322	1317	1321
10°	1322	1317	1318
15°	1317	1313	1315
20°	1312	1305	1310
25°	1308	1299	1299
30°	1297	1290	1290
35°	1288	1281	1281
40°	1279	1271	1271
45°	1268	1260	1255
50°	1254	1242	1239
55°	1234	1227	1217
60°	1208	1204	1193
65°	1179	1174	1157
70°	1153	1131	1109
75°	1108	1079	1057
80°	1044	1022	978
85°	953	931	888



TEST NUMBER: P568422

CATALOG NUMBER: 24CGTX-30HE-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	92.8	3.2
10°-20°	266.0	9.2
20°-30°	403.7	14.0
30°-40°	488.5	17.0
40°-50°	510.3	17.7
50°-60°	466.8	16.2
60°-70°	363.3	12.6
70°-80°	219.0	7.6
80°-90°	66.7	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°	762.5	26.5
0°-40°	1250.9	43.5
0°-60°	2228.0	77.4
0°-90°	2877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2877.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	979	979	979	979	979	
5°	979	976	975	975	978	93
15°	945	943	943	941	944	267
25°	881	877	875	874	875	406
35°	784	781	780	780	780	491
45°	666	662	662	659	659	514
55°	526	525	523	519	519	470
65°	370	370	369	363	363	367
75°	213	210	208	203	203	224
85°	62	60	60	58	58	69
90°	0	0	0	0	0	



TEST NUMBER: P568422

CATALOG NUMBER: 24CGTX-30HE-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	979.1	979.1	979.1	979.1	979.1
2.5°	981.9	979.1	977.7	977.7	979.1
5°	979.1	976.3	974.9	974.9	977.7
7.5°	974.9	970.7	970.7	969.3	972.1
10°	967.9	963.6	963.6	962.2	965.0
12.5°	958.0	953.8	952.4	952.4	955.2
15°	945.4	942.6	942.6	941.2	944.0
17.5°	932.8	928.6	928.6	927.2	930.0
20°	916.0	913.1	911.7	911.7	914.6
22.5°	899.1	896.3	894.9	894.9	894.9
25°	880.9	876.7	875.3	873.9	875.3
27.5°	859.8	854.2	854.2	852.8	854.2
30°	834.6	831.8	830.4	829.0	830.4
32.5°	810.8	806.5	805.1	806.5	806.5
35°	784.1	781.3	779.9	779.9	779.9
37.5°	757.5	753.2	753.2	751.8	751.8
40°	728.0	725.2	723.8	723.8	723.8
42.5°	697.1	694.3	692.9	691.5	691.5
45°	666.3	662.1	662.1	659.3	659.3
47.5°	632.6	629.8	628.4	625.6	625.6
50°	598.9	596.1	593.3	593.3	591.9
52.5°	561.1	561.1	559.7	556.9	556.9
55°	526.0	524.6	523.2	519.0	519.0
57.5°	489.5	488.1	485.3	481.1	481.1
60°	448.9	448.9	447.5	441.8	443.2
62.5°	411.0	409.6	408.2	404.0	402.6
65°	370.3	370.3	368.9	363.3	363.3
67.5°	331.0	331.0	328.2	322.6	322.6
70°	293.2	289.0	287.6	283.3	281.9
72.5°	251.1	249.7	246.9	242.7	242.7
75°	213.2	210.4	207.6	203.4	203.4
77.5°	172.5	169.7	166.9	165.5	162.7
80°	134.7	133.3	131.9	127.6	126.2
82.5°	96.8	95.4	94.0	92.6	91.2
85°	61.7	60.3	60.3	57.5	57.5
87.5°	26.7	28.1	25.2	26.7	25.2
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)