

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: P568358

Luminaire Tested: **22CGTX-20HE-L935**

Issue Date: 9/19/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568358  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-20HE-L935  
Description: 2X2 2000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

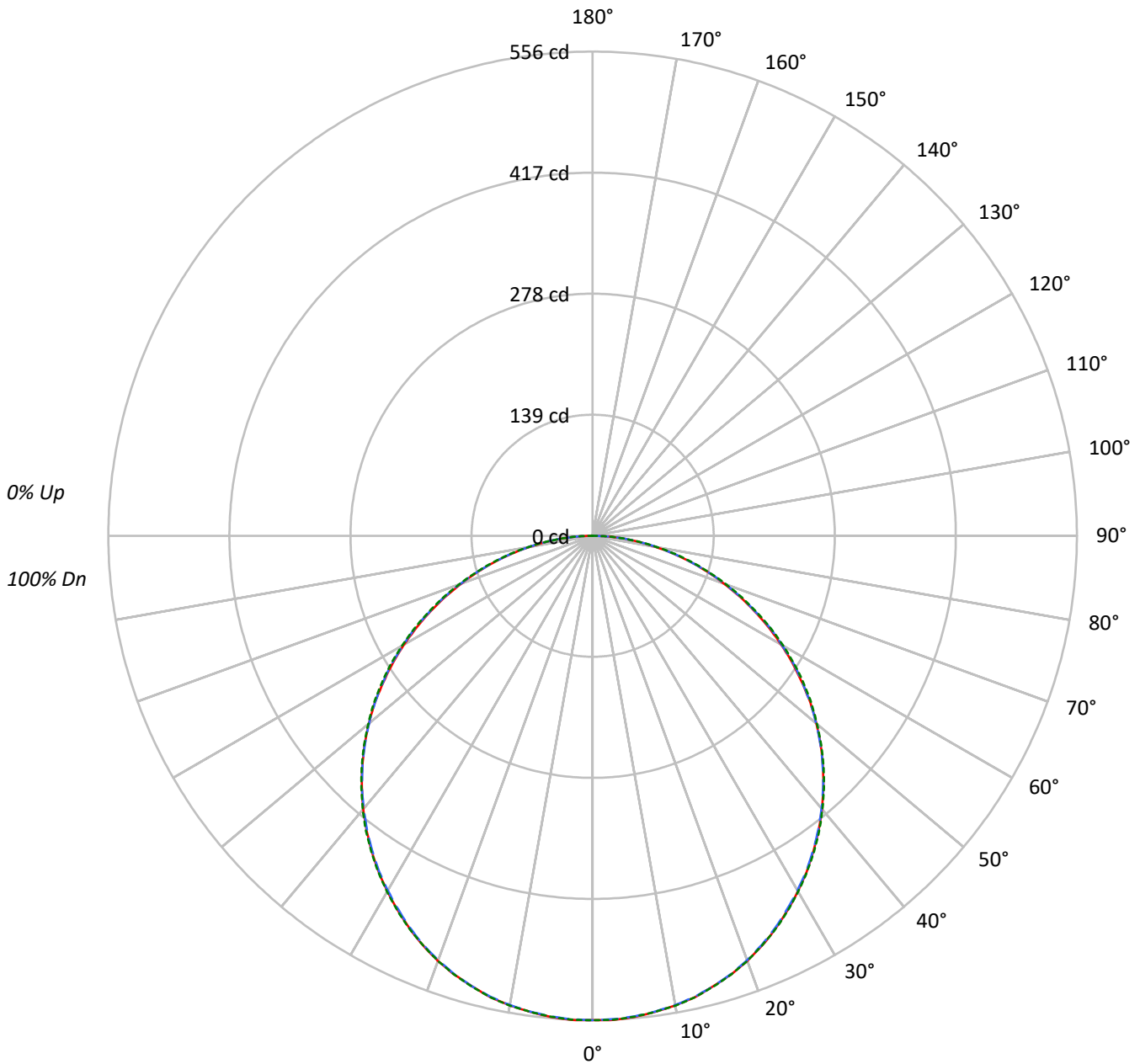
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1628.0 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.38  
Luminous Opening: Rectangular (W 2' x L: 2' 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									
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	94	90	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	77	73	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	80	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	33																			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	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	39	31	26	38	30	26	37	30	25	36	30	25	24																			

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

	0°	45°	90°
0°	1497	1497	1497
5°	1498	1496	1497
10°	1497	1495	1497
15°	1492	1492	1493
20°	1487	1485	1487
25°	1477	1474	1478
30°	1465	1461	1467
35°	1452	1449	1455
40°	1439	1436	1442
45°	1423	1422	1427
50°	1404	1403	1407
55°	1376	1380	1389
60°	1345	1351	1361
65°	1306	1315	1325
70°	1260	1274	1284
75°	1210	1219	1233
80°	1137	1151	1159
85°	1034	1044	1062



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.7	3.2
10°-20°	151.1	9.3
20°-30°	229.0	14.1
30°-40°	276.6	17.0
40°-50°	288.6	17.7
50°-60°	263.2	16.2
60°-70°	204.6	12.6
70°-80°	124.1	7.6
80°-90°	38.2	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°	432.8	26.6
0°-40°	709.4	43.6
0°-60°	1261.1	77.5
0°-90°	1628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1628.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	556	556	556	556	556	
5°	555	554	554	554	554	53
15°	536	536	536	536	536	151
25°	498	496	496	497	498	229
35°	442	442	441	443	443	277
45°	374	374	374	375	375	288
55°	293	294	294	295	296	262
65°	205	206	206	207	208	203
75°	116	116	117	118	119	123
85°	34	34	34	35	34	38
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	556.3	556.3	556.3	556.3	556.3
2.5°	556.5	555.7	555.7	555.4	556.3
5°	554.6	553.8	554.0	553.8	554.3
7.5°	551.3	550.7	551.0	550.7	551.3
10°	547.7	547.1	547.1	547.1	547.9
12.5°	542.7	542.1	542.1	542.1	542.7
15°	535.5	535.5	535.5	535.5	536.0
17.5°	528.3	527.4	527.7	527.4	528.3
20°	519.4	518.3	518.6	518.6	519.4
22.5°	509.1	508.0	508.3	508.3	508.9
25°	497.5	496.4	496.4	497.2	497.8
27.5°	484.7	483.9	483.6	485.0	485.3
30°	471.4	470.9	470.3	471.7	472.0
32.5°	457.3	456.8	456.5	457.9	457.9
35°	442.1	441.5	441.2	442.9	442.9
37.5°	426.3	426.0	425.4	427.1	427.4
40°	409.6	409.1	408.8	410.5	410.5
42.5°	392.2	391.6	391.9	393.3	393.0
45°	373.9	373.6	373.6	375.3	375.0
47.5°	355.0	354.5	354.8	356.4	355.9
50°	335.4	334.8	335.1	336.7	336.2
52.5°	315.1	314.6	315.1	316.8	316.8
55°	293.2	293.8	294.1	294.9	296.0
57.5°	271.9	272.2	273.3	273.8	274.7
60°	250.0	250.6	251.1	252.2	252.8
62.5°	227.5	228.4	230.0	230.0	230.6
65°	205.1	205.7	206.5	207.3	208.1
67.5°	182.9	183.2	184.6	184.9	185.7
70°	160.2	160.5	161.9	162.1	163.2
72.5°	138.6	138.3	139.4	140.8	140.8
75°	116.4	116.1	117.2	118.3	118.6
77.5°	94.8	94.5	95.3	96.7	96.7
80°	73.4	74.0	74.3	75.4	74.8
82.5°	52.9	53.2	53.5	54.3	53.8
85°	33.5	33.8	33.8	34.6	34.4
87.5°	15.8	15.5	15.5	16.1	15.8
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)