

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: P568351

Luminaire Tested: **22CGTX-60HE-L930**

Issue Date: 9/19/2022

**Test Information**

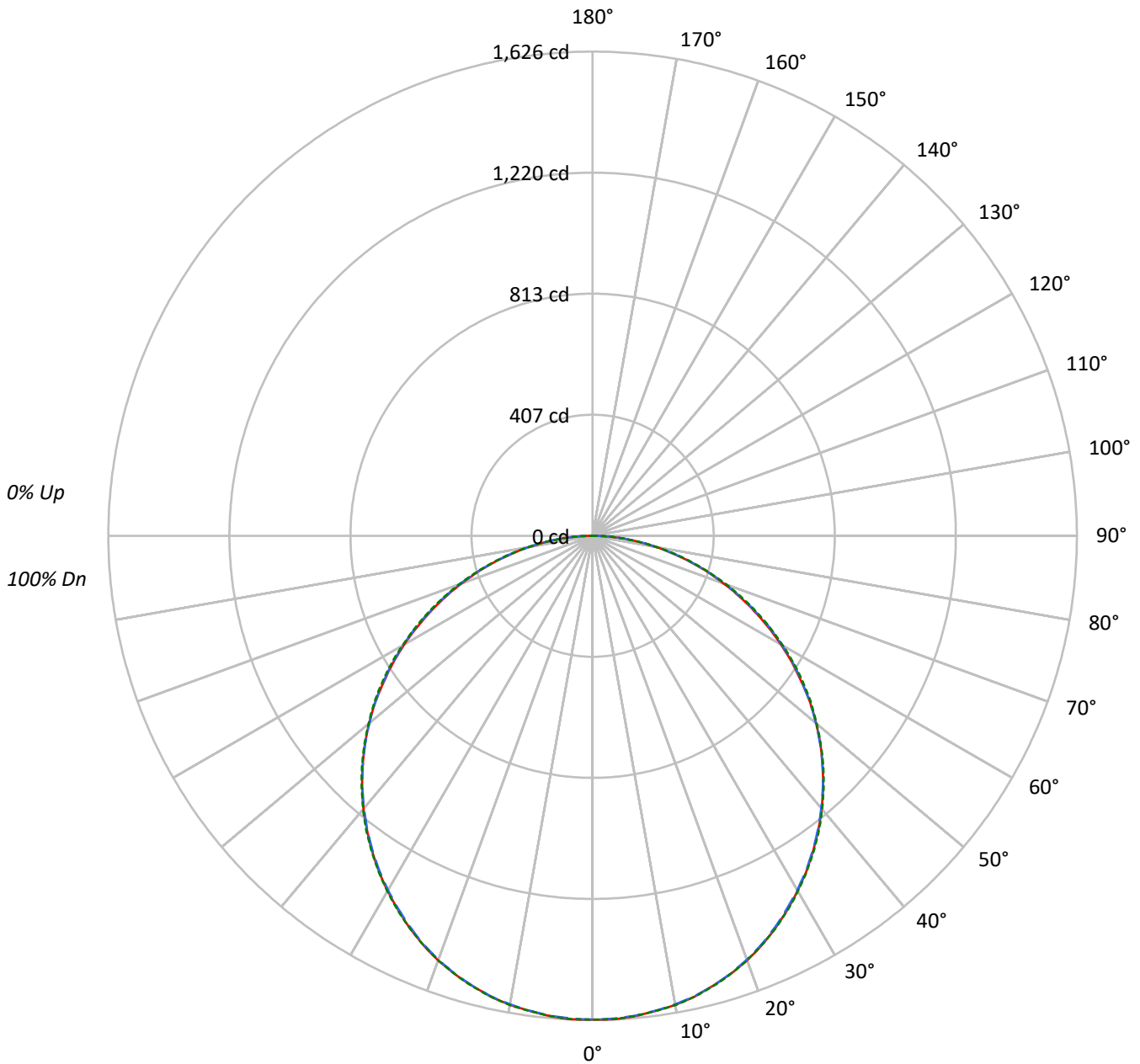
Test Method: LM-79-08  
Report Number: P568351  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-60HE-L930  
Description: 2X2 6000 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: 4755.0 lumens  
Efficiency: N/A  
Efficacy: 100.3 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): 47.4  
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				
RW	70	50	30	10	70	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°	4372	4372	4372
5°	4375	4371	4373
10°	4371	4367	4373
15°	4357	4357	4362
20°	4344	4337	4344
25°	4314	4305	4317
30°	4279	4268	4284
35°	4242	4233	4250
40°	4203	4194	4212
45°	4156	4153	4168
50°	4101	4097	4111
55°	4018	4030	4056
60°	3930	3947	3973
65°	3814	3840	3871
70°	3681	3720	3751
75°	3535	3560	3603
80°	3324	3361	3388
85°	3026	3051	3100



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.8	3.2
10°-20°	441.4	9.3
20°-30°	668.9	14.1
30°-40°	807.8	17.0
40°-50°	842.8	17.7
50°-60°	768.6	16.2
60°-70°	597.4	12.6
70°-80°	362.4	7.6
80°-90°	111.7	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°	1264.1	26.6
0°-40°	2072.0	43.6
0°-60°	3683.4	77.5
0°-90°	4755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4755.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1625	1625	1625	1625	1625	
5°	1620	1617	1618	1617	1619	154
15°	1564	1564	1564	1564	1566	442
25°	1453	1450	1450	1452	1454	670
35°	1291	1290	1289	1294	1294	808
45°	1092	1091	1091	1096	1095	842
55°	856	858	859	861	865	766
65°	599	601	603	606	608	593
75°	340	339	342	346	346	359
85°	98	99	99	101	100	110
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1624.7	1624.7	1624.7	1624.7	1624.7
2.5°	1625.5	1623.1	1623.1	1622.3	1624.7
5°	1619.8	1617.4	1618.2	1617.4	1619.0
7.5°	1610.1	1608.5	1609.3	1608.5	1610.1
10°	1599.6	1598.0	1598.0	1598.0	1600.4
12.5°	1585.0	1583.4	1583.4	1583.4	1585.0
15°	1564.0	1564.0	1564.0	1564.0	1565.6
17.5°	1542.9	1540.5	1541.3	1540.5	1542.9
20°	1517.0	1513.8	1514.6	1514.6	1517.0
22.5°	1487.1	1483.8	1484.6	1484.6	1486.3
25°	1453.1	1449.8	1449.8	1452.3	1453.9
27.5°	1415.8	1413.4	1412.6	1416.6	1417.5
30°	1377.0	1375.4	1373.7	1377.8	1378.6
32.5°	1335.7	1334.1	1333.3	1337.3	1337.3
35°	1291.2	1289.5	1288.7	1293.6	1293.6
37.5°	1245.0	1244.2	1242.6	1247.5	1248.3
40°	1196.5	1194.8	1194.0	1198.9	1198.9
42.5°	1145.5	1143.8	1144.6	1148.7	1147.9
45°	1092.0	1091.2	1091.2	1096.1	1095.3
47.5°	1037.0	1035.4	1036.2	1041.0	1039.4
50°	979.5	977.9	978.7	983.6	981.9
52.5°	920.4	918.8	920.4	925.3	925.3
55°	856.5	858.1	858.9	861.3	864.6
57.5°	794.1	794.9	798.2	799.8	802.2
60°	730.2	731.8	733.4	736.7	738.3
62.5°	664.6	667.0	671.9	671.9	673.5
65°	599.0	600.7	603.1	605.5	607.9
67.5°	534.3	535.1	539.1	539.9	542.4
70°	467.9	468.7	472.8	473.6	476.8
72.5°	404.8	403.9	407.2	411.2	411.2
75°	340.0	339.2	342.4	345.7	346.5
77.5°	276.9	276.0	278.5	282.5	282.5
80°	214.5	216.1	216.9	220.2	218.6
82.5°	154.6	155.4	156.2	158.7	157.0
85°	98.0	98.8	98.8	101.2	100.4
87.5°	46.1	45.3	45.3	47.0	46.1
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)