

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: P568387

Luminaire Tested: **22CGTX-60HE-L950**

Issue Date: 9/19/2022

**Test Information**

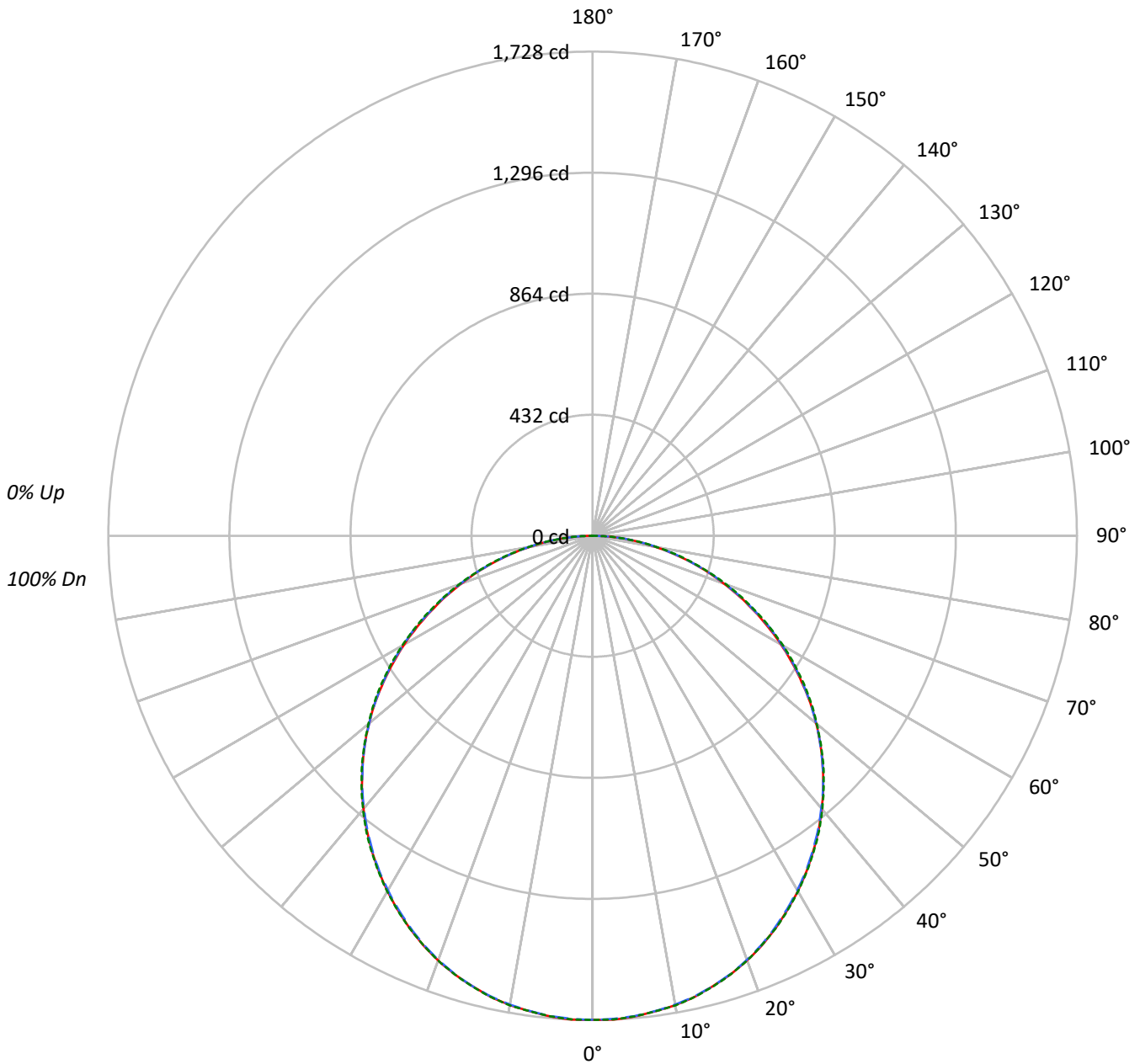
Test Method: LM-79-08  
Report Number: P568387  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2205-645-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 22CGTX-60HE-L950  
Description: 2X2 6000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5056.0 lumens  
Efficiency: N/A  
Efficacy: 106.7 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					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	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°	4649	4649	4649
5°	4653	4648	4650
10°	4647	4643	4650
15°	4633	4633	4638
20°	4619	4612	4619
25°	4588	4577	4590
30°	4549	4539	4555
35°	4510	4502	4519
40°	4469	4460	4478
45°	4419	4416	4432
50°	4360	4357	4371
55°	4273	4285	4313
60°	4179	4197	4225
65°	4056	4083	4116
70°	3914	3955	3989
75°	3759	3786	3830
80°	3535	3575	3601
85°	3217	3242	3294



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.5	3.2
10°-20°	469.4	9.3
20°-30°	711.2	14.1
30°-40°	859.0	17.0
40°-50°	896.2	17.7
50°-60°	817.3	16.2
60°-70°	635.3	12.6
70°-80°	385.4	7.6
80°-90°	118.8	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°	1344.1	26.6
0°-40°	2203.1	43.6
0°-60°	3916.6	77.5
0°-90°	5056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5056.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1728	1728	1728	1728	1728	
5°	1722	1720	1721	1720	1722	164
15°	1663	1663	1663	1663	1665	470
25°	1545	1542	1542	1544	1546	712
35°	1373	1371	1370	1376	1376	859
45°	1161	1160	1160	1166	1165	896
55°	911	912	913	916	919	815
65°	637	639	641	644	646	631
75°	362	361	364	368	368	382
85°	104	105	105	108	107	117
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1727.5	1727.5	1727.5	1727.5	1727.5
2.5°	1728.4	1725.8	1725.8	1724.9	1727.5
5°	1722.4	1719.8	1720.6	1719.8	1721.5
7.5°	1712.0	1710.3	1711.2	1710.3	1712.0
10°	1700.8	1699.1	1699.1	1699.1	1701.7
12.5°	1685.4	1683.6	1683.6	1683.6	1685.4
15°	1663.0	1663.0	1663.0	1663.0	1664.7
17.5°	1640.6	1638.0	1638.9	1638.0	1640.6
20°	1613.1	1609.6	1610.5	1610.5	1613.1
22.5°	1581.2	1577.8	1578.6	1578.6	1580.3
25°	1545.1	1541.6	1541.6	1544.2	1545.9
27.5°	1505.5	1502.9	1502.0	1506.3	1507.2
30°	1464.1	1462.4	1460.7	1465.0	1465.9
32.5°	1420.2	1418.5	1417.7	1422.0	1422.0
35°	1372.9	1371.2	1370.3	1375.5	1375.5
37.5°	1323.8	1323.0	1321.3	1326.4	1327.3
40°	1272.2	1270.5	1269.6	1274.8	1274.8
42.5°	1218.0	1216.2	1217.1	1221.4	1220.5
45°	1161.2	1160.3	1160.3	1165.5	1164.6
47.5°	1102.6	1100.9	1101.8	1106.9	1105.2
50°	1041.5	1039.8	1040.7	1045.8	1044.1
52.5°	978.7	977.0	978.7	983.8	983.8
55°	910.7	912.4	913.3	915.8	919.3
57.5°	844.4	845.3	848.7	850.4	853.0
60°	776.4	778.1	779.8	783.3	785.0
62.5°	706.7	709.3	714.4	714.4	716.1
65°	637.0	638.7	641.3	643.8	646.4
67.5°	568.1	569.0	573.3	574.1	576.7
70°	497.5	498.4	502.7	503.5	507.0
72.5°	430.4	429.5	433.0	437.3	437.3
75°	361.5	360.7	364.1	367.5	368.4
77.5°	294.4	293.5	296.1	300.4	300.4
80°	228.1	229.8	230.7	234.1	232.4
82.5°	164.4	165.3	166.1	168.7	167.0
85°	104.2	105.0	105.0	107.6	106.7
87.5°	49.1	48.2	48.2	49.9	49.1
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)