

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: P568507

Luminaire Tested: **24CGTX-90HE-L950**

Issue Date: 9/19/2022

**Test Information**

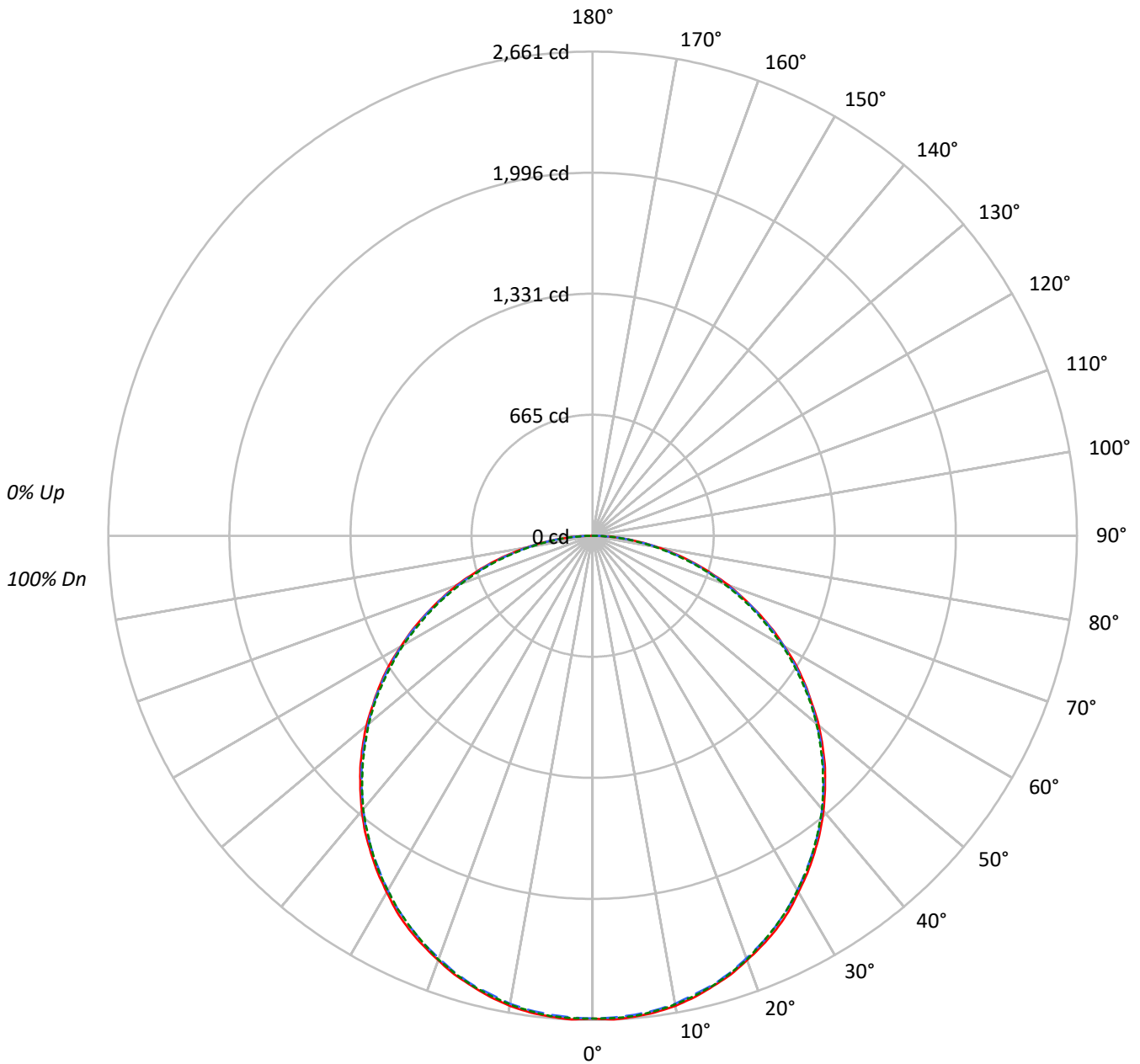
Test Method: LM-79-08  
Report Number: P568507  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-90HE-L950  
Description: 2X4 9000 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: 7797.0 lumens  
Efficiency: N/A  
Efficacy: 105.7 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): 73.8  
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	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	24																			

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

	0°	45°	90°
0°	3570	3570	3570
5°	3584	3568	3579
10°	3584	3568	3573
15°	3569	3558	3564
20°	3554	3538	3549
25°	3544	3522	3522
30°	3514	3496	3496
35°	3490	3472	3472
40°	3465	3445	3445
45°	3436	3414	3400
50°	3398	3366	3358
55°	3344	3326	3299
60°	3274	3263	3233
65°	3195	3183	3135
70°	3126	3066	3006
75°	3004	2925	2865
80°	2827	2768	2651
85°	2583	2524	2407



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	251.4	3.2
10°-20°	720.9	9.2
20°-30°	1094.1	14.0
30°-40°	1323.8	17.0
40°-50°	1382.9	17.7
50°-60°	1265.0	16.2
60°-70°	984.6	12.6
70°-80°	593.4	7.6
80°-90°	180.9	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°	2066.4	26.5
0°-40°	3390.2	43.5
0°-60°	6038.1	77.4
0°-90°	7797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7797.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2653	2653	2653	2653	2653	
5°	2653	2646	2642	2642	2650	252
15°	2562	2555	2555	2551	2558	724
25°	2387	2376	2372	2368	2372	1099
35°	2125	2117	2114	2114	2114	1330
45°	1806	1794	1794	1787	1787	1392
55°	1426	1422	1418	1406	1406	1273
65°	1004	1004	1000	985	985	995
75°	578	570	563	551	551	608
85°	167	164	164	156	156	186
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2653.4	2653.4	2653.4	2653.4	2653.4
2.5°	2661.0	2653.4	2649.6	2649.6	2653.4
5°	2653.4	2645.8	2642.0	2642.0	2649.6
7.5°	2642.0	2630.6	2630.6	2626.8	2634.4
10°	2623.0	2611.6	2611.6	2607.8	2615.4
12.5°	2596.4	2585.0	2581.2	2581.2	2588.8
15°	2562.2	2554.6	2554.6	2550.8	2558.4
17.5°	2528.0	2516.6	2516.6	2512.8	2520.4
20°	2482.3	2474.7	2470.9	2470.9	2478.5
22.5°	2436.7	2429.1	2425.3	2425.3	2425.3
25°	2387.3	2375.9	2372.1	2368.3	2372.1
27.5°	2330.3	2315.1	2315.1	2311.3	2315.1
30°	2261.9	2254.3	2250.5	2246.7	2250.5
32.5°	2197.2	2185.8	2182.0	2185.8	2185.8
35°	2125.0	2117.4	2113.6	2113.6	2113.6
37.5°	2052.8	2041.4	2041.4	2037.6	2037.6
40°	1972.9	1965.3	1961.5	1961.5	1961.5
42.5°	1889.3	1881.7	1877.9	1874.1	1874.1
45°	1805.7	1794.3	1794.3	1786.7	1786.7
47.5°	1714.4	1706.8	1703.0	1695.4	1695.4
50°	1623.2	1615.6	1608.0	1608.0	1604.2
52.5°	1520.6	1520.6	1516.8	1509.2	1509.2
55°	1425.5	1421.7	1417.9	1406.5	1406.5
57.5°	1326.7	1322.9	1315.3	1303.9	1303.9
60°	1216.5	1216.5	1212.7	1197.5	1201.3
62.5°	1113.8	1110.0	1106.2	1094.8	1091.0
65°	1003.6	1003.6	999.8	984.6	984.6
67.5°	897.1	897.1	889.5	874.3	874.3
70°	794.5	783.1	779.3	767.9	764.1
72.5°	680.5	676.7	669.1	657.6	657.6
75°	577.8	570.2	562.6	551.2	551.2
77.5°	467.6	460.0	452.4	448.6	441.0
80°	364.9	361.1	357.3	345.9	342.1
82.5°	262.3	258.5	254.7	250.9	247.1
85°	167.3	163.5	163.5	155.9	155.9
87.5°	72.2	76.0	68.4	72.2	68.4
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)