

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: P568463

Luminaire Tested: **24CGTX-90HE-L935**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568463
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-L935
Description: 2X4 9000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

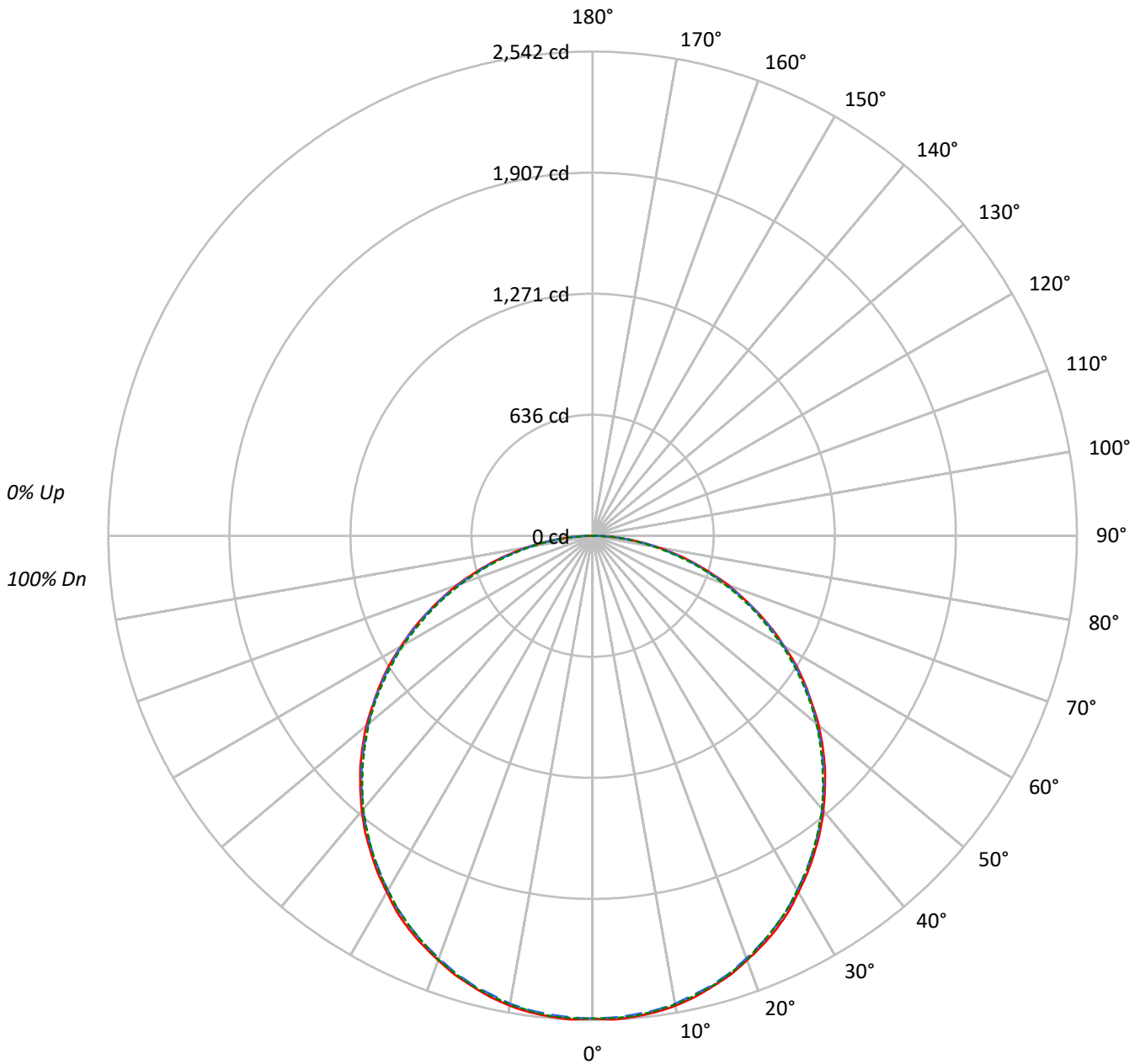
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7448.0 lumens
Efficiency: N/A
Efficacy: 100.9 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_{in}): 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°	3410	3410	3410
5°	3423	3409	3418
10°	3423	3408	3413
15°	3409	3399	3404
20°	3395	3380	3390
25°	3385	3364	3364
30°	3357	3340	3340
35°	3334	3316	3316
40°	3310	3291	3291
45°	3282	3261	3248
50°	3246	3215	3208
55°	3194	3177	3152
60°	3127	3117	3088
65°	3052	3040	2994
70°	2985	2928	2871
75°	2870	2794	2737
80°	2701	2645	2532
85°	2467	2410	2299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.2	3.2
10°-20°	688.7	9.2
20°-30°	1045.1	14.0
30°-40°	1264.5	17.0
40°-50°	1321.0	17.7
50°-60°	1208.4	16.2
60°-70°	940.5	12.6
70°-80°	566.9	7.6
80°-90°	172.8	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°	1973.9	26.5
0°-40°	3238.5	43.5
0°-60°	5767.9	77.4
0°-90°	7448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2535	2535	2535	2535	2535	
5°	2535	2527	2524	2524	2531	241
15°	2448	2440	2440	2437	2444	691
25°	2280	2270	2266	2262	2266	1050
35°	2030	2023	2019	2019	2019	1271
45°	1725	1714	1714	1707	1707	1329
55°	1362	1358	1354	1344	1344	1216
65°	959	959	955	940	940	950
75°	552	545	537	526	526	581
85°	160	156	156	149	149	178
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2534.6	2534.6	2534.6	2534.6	2534.6
2.5°	2541.9	2534.6	2531.0	2531.0	2534.6
5°	2534.6	2527.4	2523.7	2523.7	2531.0
7.5°	2523.7	2512.8	2512.8	2509.2	2516.5
10°	2505.6	2494.7	2494.7	2491.1	2498.3
12.5°	2480.2	2469.3	2465.6	2465.6	2472.9
15°	2447.5	2440.2	2440.2	2436.6	2443.9
17.5°	2414.8	2403.9	2403.9	2400.3	2407.5
20°	2371.2	2364.0	2360.3	2360.3	2367.6
22.5°	2327.7	2320.4	2316.8	2316.8	2316.8
25°	2280.4	2269.6	2265.9	2262.3	2265.9
27.5°	2226.0	2211.5	2211.5	2207.8	2211.5
30°	2160.6	2153.4	2149.7	2146.1	2149.7
32.5°	2098.9	2088.0	2084.4	2088.0	2088.0
35°	2029.9	2022.6	2019.0	2019.0	2019.0
37.5°	1960.9	1950.0	1950.0	1946.4	1946.4
40°	1884.6	1877.4	1873.7	1873.7	1873.7
42.5°	1804.7	1797.5	1793.9	1790.2	1790.2
45°	1724.9	1714.0	1714.0	1706.7	1706.7
47.5°	1637.7	1630.4	1626.8	1619.6	1619.6
50°	1550.6	1543.3	1536.0	1536.0	1532.4
52.5°	1452.5	1452.5	1448.9	1441.6	1441.6
55°	1361.7	1358.1	1354.5	1343.6	1343.6
57.5°	1267.3	1263.7	1256.4	1245.5	1245.5
60°	1162.0	1162.0	1158.4	1143.9	1147.5
62.5°	1064.0	1060.3	1056.7	1045.8	1042.2
65°	958.7	958.7	955.0	940.5	940.5
67.5°	857.0	857.0	849.7	835.2	835.2
70°	758.9	748.0	744.4	733.5	729.9
72.5°	650.0	646.4	639.1	628.2	628.2
75°	552.0	544.7	537.4	526.5	526.5
77.5°	446.6	439.4	432.1	428.5	421.2
80°	348.6	345.0	341.3	330.4	326.8
82.5°	250.6	246.9	243.3	239.7	236.0
85°	159.8	156.1	156.1	148.9	148.9
87.5°	69.0	72.6	65.4	69.0	65.4
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)