

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: P568496

Luminaire Tested: **24CGTX-90HE-L850**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568496
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-L850
Description: 2X4 9000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

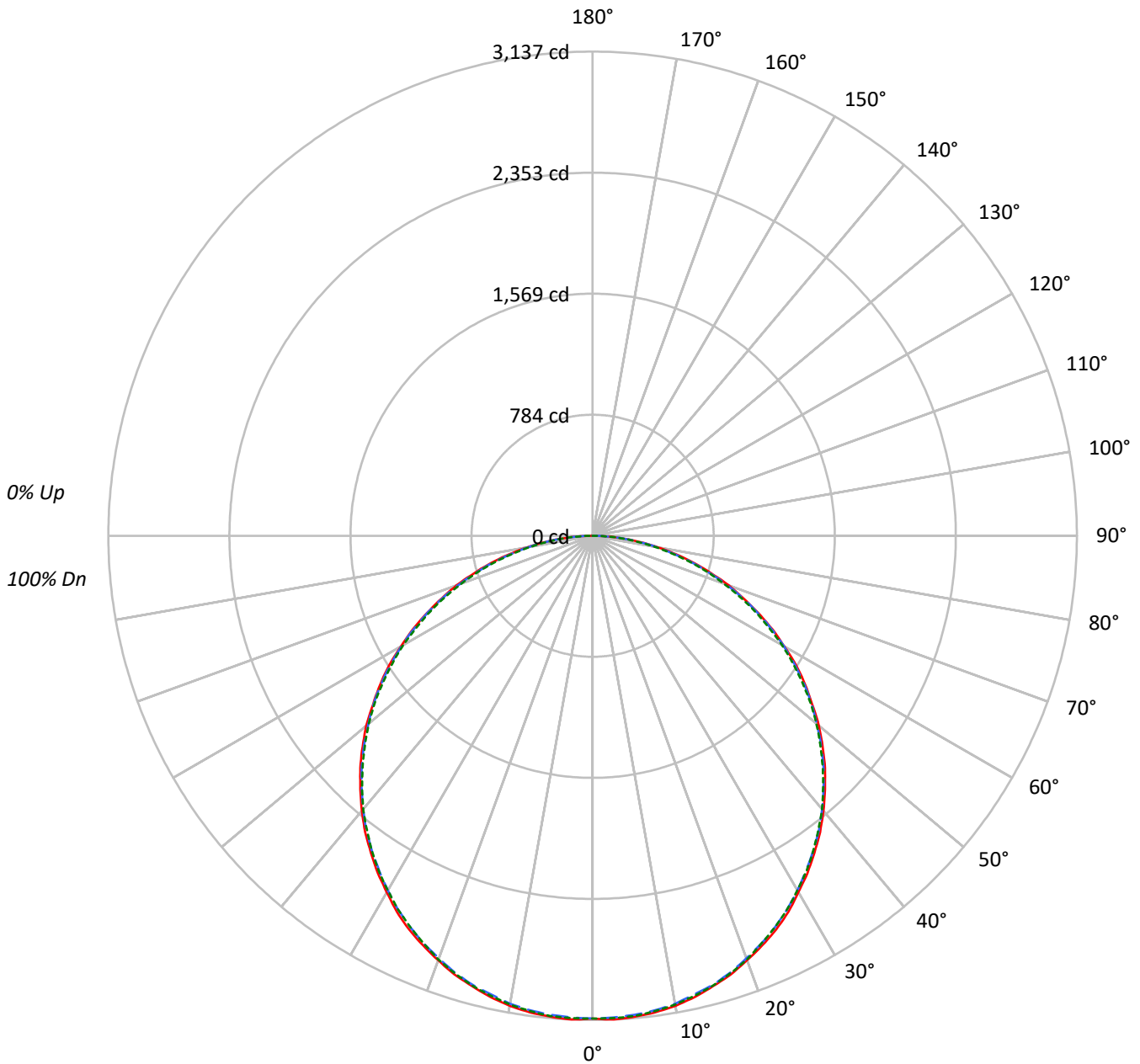
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9192.0 lumens
Efficiency: N/A
Efficacy: 124.6 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°	4209	4209	4209
5°	4225	4207	4219
10°	4225	4206	4213
15°	4208	4195	4201
20°	4190	4171	4184
25°	4178	4152	4152
30°	4143	4122	4122
35°	4115	4093	4093
40°	4085	4062	4062
45°	4051	4025	4008
50°	4006	3968	3959
55°	3942	3921	3890
60°	3859	3847	3811
65°	3767	3753	3695
70°	3685	3614	3544
75°	3541	3448	3378
80°	3333	3264	3125
85°	3044	2975	2836



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	296.4	3.2
10°-20°	849.9	9.2
20°-30°	1289.8	14.0
30°-40°	1560.6	17.0
40°-50°	1630.3	17.7
50°-60°	1491.3	16.2
60°-70°	1160.8	12.6
70°-80°	699.6	7.6
80°-90°	213.2	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°	2436.2	26.5
0°-40°	3996.8	43.5
0°-60°	7118.4	77.4
0°-90°	9192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3128	3128	3128	3128	3128	
5°	3128	3119	3115	3115	3124	297
15°	3021	3012	3012	3007	3016	853
25°	2814	2801	2796	2792	2796	1296
35°	2505	2496	2492	2492	2492	1568
45°	2129	2115	2115	2106	2106	1641
55°	1681	1676	1672	1658	1658	1501
65°	1183	1183	1179	1161	1161	1173
75°	681	672	663	650	650	717
85°	197	193	193	184	184	219
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3128.1	3128.1	3128.1	3128.1	3128.1
2.5°	3137.1	3128.1	3123.7	3123.7	3128.1
5°	3128.1	3119.2	3114.7	3114.7	3123.7
7.5°	3114.7	3101.3	3101.3	3096.8	3105.7
10°	3092.3	3078.8	3078.8	3074.4	3083.3
12.5°	3060.9	3047.5	3043.0	3043.0	3052.0
15°	3020.6	3011.6	3011.6	3007.1	3016.1
17.5°	2980.2	2966.8	2966.8	2962.3	2971.3
20°	2926.5	2917.5	2913.0	2913.0	2922.0
22.5°	2872.7	2863.7	2859.2	2859.2	2859.2
25°	2814.4	2801.0	2796.5	2792.0	2796.5
27.5°	2747.2	2729.3	2729.3	2724.8	2729.3
30°	2666.5	2657.6	2653.1	2648.6	2653.1
32.5°	2590.4	2576.9	2572.4	2576.9	2576.9
35°	2505.2	2496.2	2491.8	2491.8	2491.8
37.5°	2420.1	2406.6	2406.6	2402.1	2402.1
40°	2325.9	2317.0	2312.5	2312.5	2312.5
42.5°	2227.3	2218.4	2213.9	2209.4	2209.4
45°	2128.7	2115.3	2115.3	2106.3	2106.3
47.5°	2021.2	2012.2	2007.7	1998.8	1998.8
50°	1913.6	1904.7	1895.7	1895.7	1891.2
52.5°	1792.6	1792.6	1788.1	1779.2	1779.2
55°	1680.6	1676.1	1671.6	1658.2	1658.2
57.5°	1564.1	1559.6	1550.6	1537.2	1537.2
60°	1434.1	1434.1	1429.6	1411.7	1416.2
62.5°	1313.1	1308.6	1304.1	1290.7	1286.2
65°	1183.1	1183.1	1178.7	1160.7	1160.7
67.5°	1057.7	1057.7	1048.7	1030.8	1030.8
70°	936.6	923.2	918.7	905.3	900.8
72.5°	802.2	797.7	788.8	775.3	775.3
75°	681.2	672.2	663.3	649.8	649.8
77.5°	551.2	542.3	533.3	528.8	519.9
80°	430.2	425.7	421.3	407.8	403.3
82.5°	309.2	304.7	300.3	295.8	291.3
85°	197.2	192.7	192.7	183.7	183.7
87.5°	85.1	89.6	80.7	85.1	80.7
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)