

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: P568441

Luminaire Tested: **24CGTX-90HE-L930**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568441
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-L930
Description: 2X4 9000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

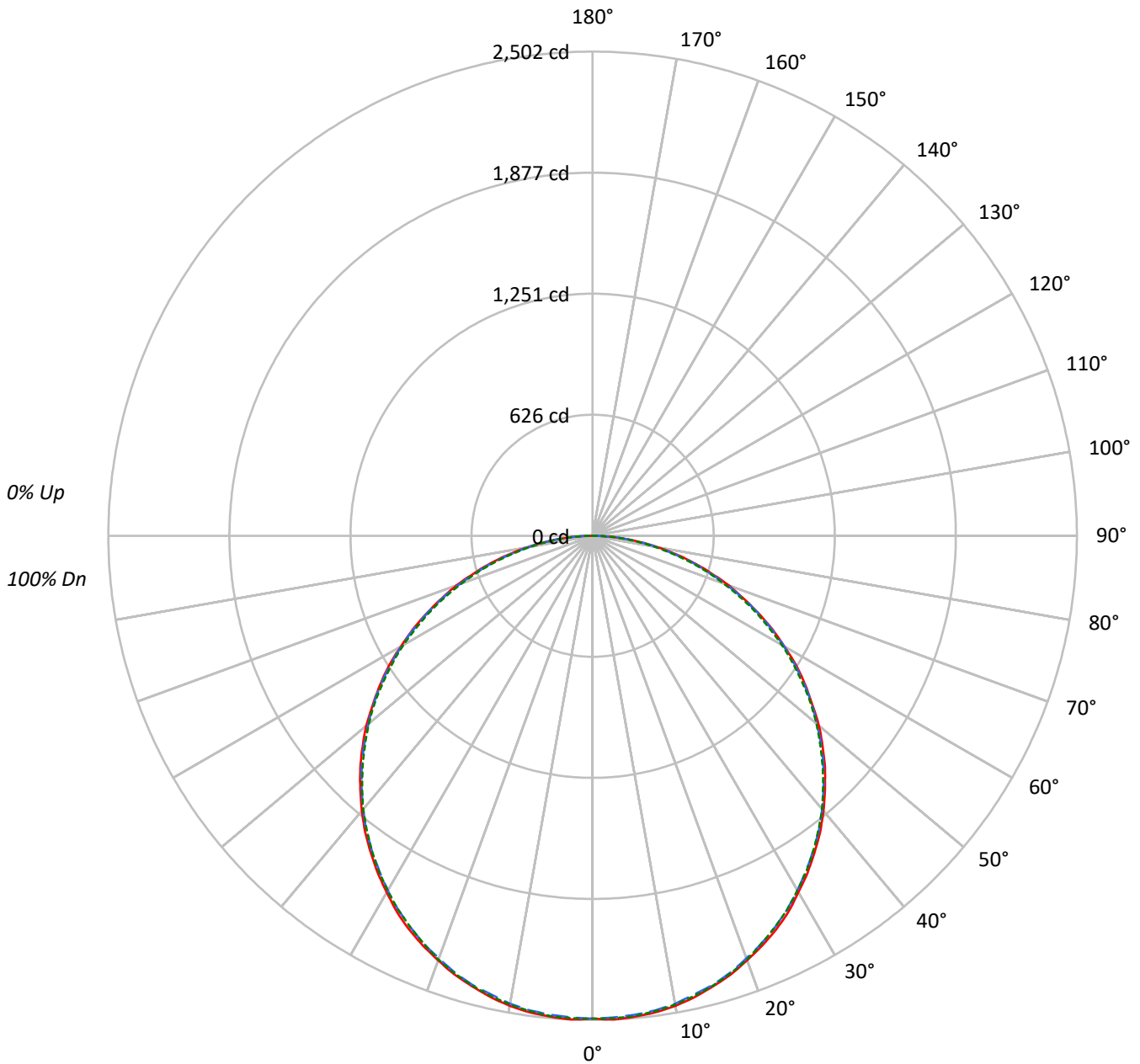
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7332.0 lumens
Efficiency: N/A
Efficacy: 99.3 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					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	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°	3357	3357	3357
5°	3370	3356	3365
10°	3370	3355	3360
15°	3356	3346	3351
20°	3342	3327	3337
25°	3333	3312	3312
30°	3305	3288	3288
35°	3282	3265	3265
40°	3259	3240	3240
45°	3231	3211	3197
50°	3195	3165	3158
55°	3145	3128	3103
60°	3078	3069	3040
65°	3004	2993	2948
70°	2939	2883	2827
75°	2825	2751	2694
80°	2659	2603	2493
85°	2428	2373	2263



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.4	3.2
10°-20°	677.9	9.2
20°-30°	1028.8	14.0
30°-40°	1244.8	17.0
40°-50°	1300.4	17.7
50°-60°	1189.5	16.2
60°-70°	925.9	12.6
70°-80°	558.0	7.6
80°-90°	170.1	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°	1943.2	26.5
0°-40°	3188.0	43.5
0°-60°	5678.0	77.4
0°-90°	7332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2495	2495	2495	2495	2495	
5°	2495	2488	2484	2484	2492	237
15°	2409	2402	2402	2399	2406	680
25°	2245	2234	2231	2227	2231	1034
35°	1998	1991	1988	1988	1988	1251
45°	1698	1687	1687	1680	1680	1309
55°	1340	1337	1333	1323	1323	1197
65°	944	944	940	926	926	936
75°	543	536	529	518	518	572
85°	157	154	154	147	147	175
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2495.2	2495.2	2495.2	2495.2	2495.2
2.5°	2502.3	2495.2	2491.6	2491.6	2495.2
5°	2495.2	2488.0	2484.4	2484.4	2491.6
7.5°	2484.4	2473.7	2473.7	2470.1	2477.3
10°	2466.6	2455.8	2455.8	2452.3	2459.4
12.5°	2441.5	2430.8	2427.2	2427.2	2434.4
15°	2409.4	2402.2	2402.2	2398.6	2405.8
17.5°	2377.2	2366.5	2366.5	2362.9	2370.0
20°	2334.3	2327.1	2323.6	2323.6	2330.7
22.5°	2291.4	2284.3	2280.7	2280.7	2280.7
25°	2244.9	2234.2	2230.6	2227.1	2230.6
27.5°	2191.3	2177.0	2177.0	2173.4	2177.0
30°	2127.0	2119.8	2116.2	2112.7	2116.2
32.5°	2066.2	2055.5	2051.9	2055.5	2055.5
35°	1998.3	1991.1	1987.5	1987.5	1987.5
37.5°	1930.4	1919.6	1919.6	1916.1	1916.1
40°	1855.3	1848.1	1844.6	1844.6	1844.6
42.5°	1776.6	1769.5	1765.9	1762.3	1762.3
45°	1698.0	1687.3	1687.3	1680.1	1680.1
47.5°	1612.2	1605.1	1601.5	1594.3	1594.3
50°	1526.4	1519.3	1512.1	1512.1	1508.5
52.5°	1429.9	1429.9	1426.3	1419.2	1419.2
55°	1340.5	1336.9	1333.4	1322.6	1322.6
57.5°	1247.6	1244.0	1236.9	1226.1	1226.1
60°	1143.9	1143.9	1140.3	1126.0	1129.6
62.5°	1047.4	1043.8	1040.2	1029.5	1025.9
65°	943.7	943.7	940.2	925.9	925.9
67.5°	843.6	843.6	836.5	822.2	822.2
70°	747.1	736.4	732.8	722.1	718.5
72.5°	639.9	636.3	629.2	618.4	618.4
75°	543.4	536.2	529.1	518.3	518.3
77.5°	439.7	432.5	425.4	421.8	414.7
80°	343.2	339.6	336.0	325.3	321.7
82.5°	246.7	243.1	239.5	235.9	232.4
85°	157.3	153.7	153.7	146.6	146.6
87.5°	67.9	71.5	64.3	67.9	64.3
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)