

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: P568472

Luminaire Tested: **24CGTX-72HE-L840**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568472
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-72HE-L840
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

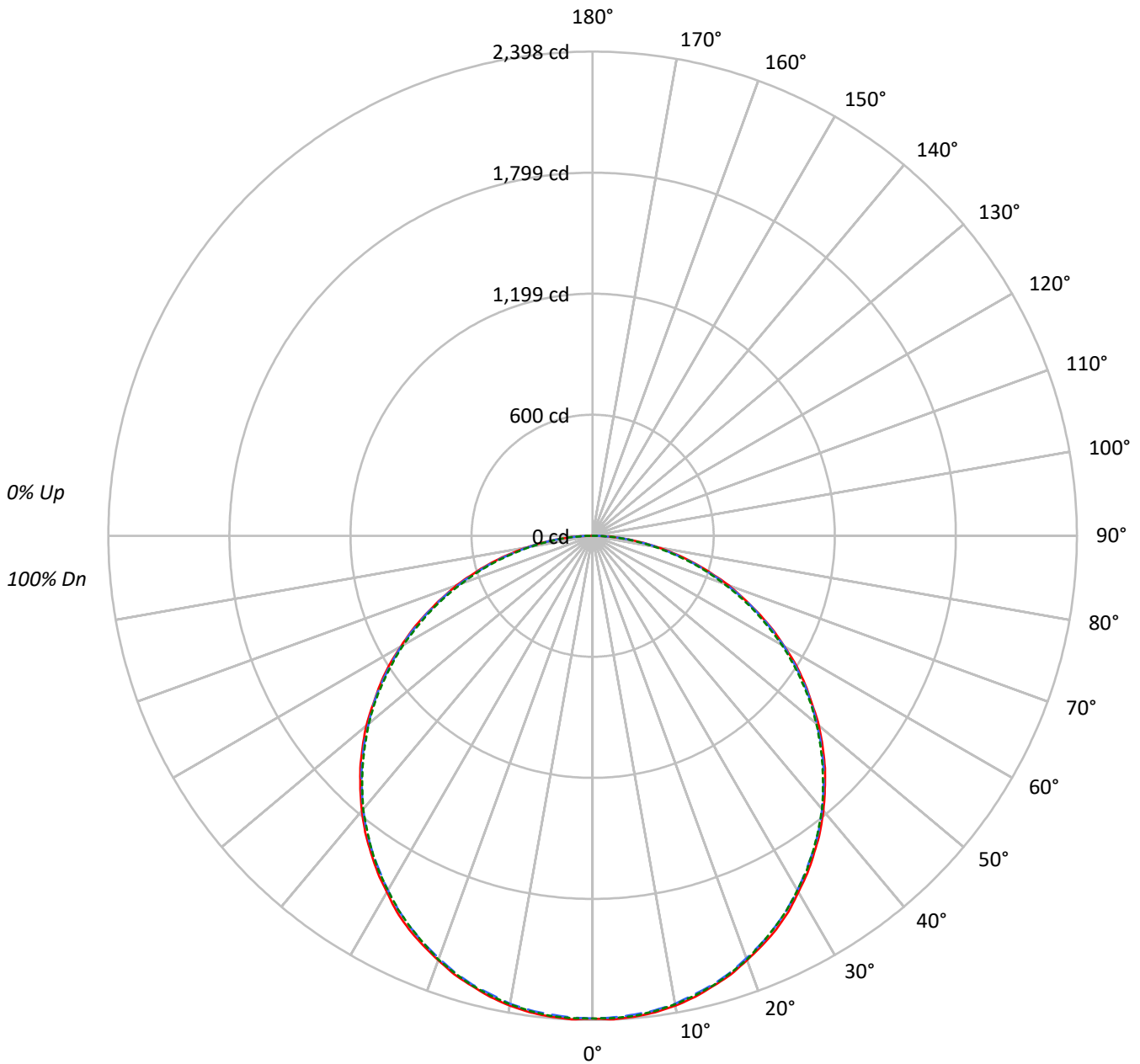
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7025.0 lumens
Efficiency: N/A
Efficacy: 122.0 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): 57.6
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°	3217	3217	3217
5°	3229	3215	3224
10°	3229	3215	3219
15°	3216	3206	3211
20°	3202	3188	3197
25°	3193	3173	3173
30°	3166	3150	3150
35°	3145	3128	3128
40°	3122	3104	3104
45°	3096	3076	3063
50°	3061	3033	3026
55°	3013	2997	2973
60°	2949	2940	2912
65°	2879	2868	2824
70°	2816	2762	2708
75°	2706	2635	2582
80°	2548	2495	2389
85°	2326	2274	2167



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.5	3.2
10°-20°	649.5	9.2
20°-30°	985.7	14.0
30°-40°	1192.7	17.0
40°-50°	1246.0	17.7
50°-60°	1139.7	16.2
60°-70°	887.1	12.6
70°-80°	534.7	7.6
80°-90°	163.0	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°	1861.8	26.5
0°-40°	3054.6	43.5
0°-60°	5440.3	77.4
0°-90°	7025.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2391	2391	2391	2391	2391	
5°	2391	2384	2380	2380	2387	227
15°	2308	2302	2302	2298	2305	652
25°	2151	2141	2137	2134	2137	991
35°	1915	1908	1904	1904	1904	1198
45°	1627	1617	1617	1610	1610	1254
55°	1284	1281	1278	1267	1267	1147
65°	904	904	901	887	887	896
75°	521	514	507	497	497	548
85°	151	147	147	140	140	168
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.7	2390.7	2390.7	2390.7	2390.7
2.5°	2397.5	2390.7	2387.3	2387.3	2390.7
5°	2390.7	2383.8	2380.4	2380.4	2387.3
7.5°	2380.4	2370.1	2370.1	2366.7	2373.6
10°	2363.3	2353.0	2353.0	2349.6	2356.4
12.5°	2339.3	2329.0	2325.6	2325.6	2332.5
15°	2308.5	2301.6	2301.6	2298.2	2305.1
17.5°	2277.7	2267.4	2267.4	2264.0	2270.8
20°	2236.6	2229.7	2226.3	2226.3	2233.1
22.5°	2195.5	2188.6	2185.2	2185.2	2185.2
25°	2150.9	2140.7	2137.2	2133.8	2137.2
27.5°	2099.6	2085.9	2085.9	2082.4	2085.9
30°	2037.9	2031.1	2027.6	2024.2	2027.6
32.5°	1979.7	1969.4	1966.0	1969.4	1969.4
35°	1914.6	1907.8	1904.3	1904.3	1904.3
37.5°	1849.5	1839.3	1839.3	1835.8	1835.8
40°	1777.6	1770.8	1767.3	1767.3	1767.3
42.5°	1702.3	1695.4	1692.0	1688.6	1688.6
45°	1626.9	1616.6	1616.6	1609.8	1609.8
47.5°	1544.7	1537.8	1534.4	1527.6	1527.6
50°	1462.5	1455.6	1448.8	1448.8	1445.4
52.5°	1370.0	1370.0	1366.6	1359.7	1359.7
55°	1284.4	1281.0	1277.5	1267.3	1267.3
57.5°	1195.3	1191.9	1185.1	1174.8	1174.8
60°	1096.0	1096.0	1092.6	1078.9	1082.3
62.5°	1003.5	1000.1	996.7	986.4	983.0
65°	904.2	904.2	900.8	887.1	887.1
67.5°	808.3	808.3	801.5	787.8	787.8
70°	715.8	705.6	702.1	691.9	688.4
72.5°	613.1	609.7	602.8	592.5	592.5
75°	520.6	513.8	506.9	496.6	496.6
77.5°	421.3	414.4	407.6	404.2	397.3
80°	328.8	325.4	322.0	311.7	308.3
82.5°	236.3	232.9	229.5	226.1	222.6
85°	150.7	147.3	147.3	140.4	140.4
87.5°	65.1	68.5	61.7	65.1	61.7
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)