

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: P568450

Luminaire Tested: **24CGTX-72HE-L835**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568450
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-L835
Description: 2X4 7200 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 80CRI LEDS
Light Source: -
Ballast/Driver: -

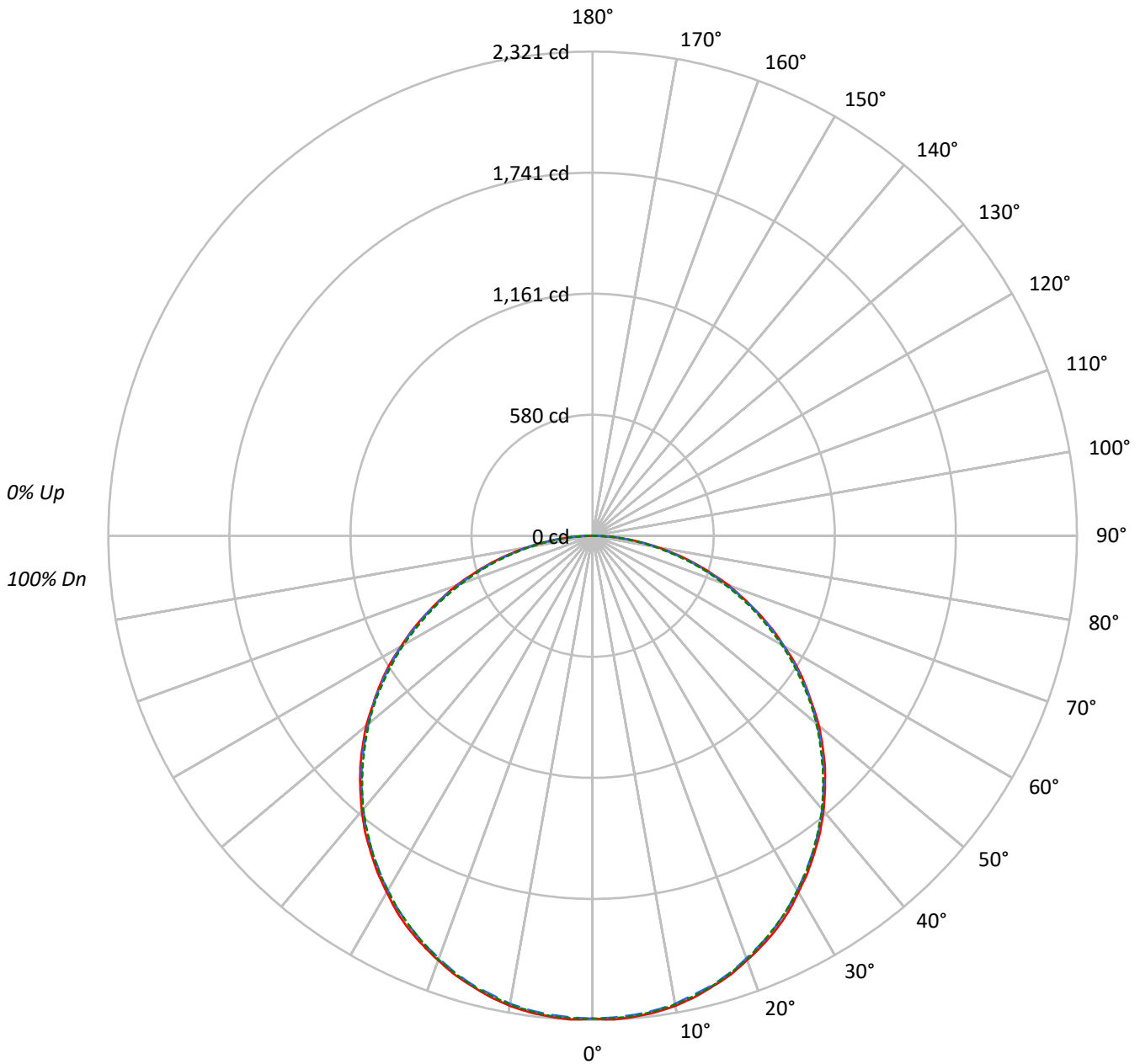
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6801.0 lumens
Efficiency: N/A
Efficacy: 118.1 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°	3114	3114	3114
5°	3126	3113	3121
10°	3126	3112	3117
15°	3113	3104	3109
20°	3100	3086	3095
25°	3091	3072	3072
30°	3065	3050	3050
35°	3045	3028	3028
40°	3023	3005	3005
45°	2997	2978	2965
50°	2964	2936	2929
55°	2917	2901	2878
60°	2855	2847	2820
65°	2787	2777	2734
70°	2726	2674	2622
75°	2620	2551	2499
80°	2466	2415	2312
85°	2252	2201	2098



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.3	3.2
10°-20°	628.8	9.2
20°-30°	954.3	14.0
30°-40°	1154.7	17.0
40°-50°	1206.2	17.7
50°-60°	1103.4	16.2
60°-70°	858.8	12.6
70°-80°	517.6	7.6
80°-90°	157.8	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°	1802.5	26.5
0°-40°	2957.2	43.5
0°-60°	5266.8	77.4
0°-90°	6801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2314	2314	2314	2314	2314	
5°	2314	2308	2304	2304	2311	220
15°	2235	2228	2228	2225	2232	631
25°	2082	2072	2069	2066	2069	959
35°	1854	1847	1844	1844	1844	1160
45°	1575	1565	1565	1558	1558	1214
55°	1243	1240	1237	1227	1227	1111
65°	875	875	872	859	859	868
75°	504	497	491	481	481	530
85°	146	143	143	136	136	162
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2314.5	2314.5	2314.5	2314.5	2314.5
2.5°	2321.1	2314.5	2311.1	2311.1	2314.5
5°	2314.5	2307.8	2304.5	2304.5	2311.1
7.5°	2304.5	2294.6	2294.6	2291.2	2297.9
10°	2287.9	2278.0	2278.0	2274.7	2281.3
12.5°	2264.7	2254.8	2251.5	2251.5	2258.1
15°	2234.9	2228.2	2228.2	2224.9	2231.6
17.5°	2205.0	2195.1	2195.1	2191.8	2198.4
20°	2165.2	2158.6	2155.3	2155.3	2161.9
22.5°	2125.5	2118.8	2115.5	2115.5	2115.5
25°	2082.3	2072.4	2069.1	2065.8	2069.1
27.5°	2032.6	2019.3	2019.3	2016.0	2019.3
30°	1972.9	1966.3	1963.0	1959.7	1963.0
32.5°	1916.6	1906.6	1903.3	1906.6	1906.6
35°	1853.6	1846.9	1843.6	1843.6	1843.6
37.5°	1790.6	1780.6	1780.6	1777.3	1777.3
40°	1720.9	1714.3	1711.0	1711.0	1711.0
42.5°	1648.0	1641.3	1638.0	1634.7	1634.7
45°	1575.0	1565.1	1565.1	1558.4	1558.4
47.5°	1495.4	1488.8	1485.5	1478.9	1478.9
50°	1415.9	1409.2	1402.6	1402.6	1399.3
52.5°	1326.3	1326.3	1323.0	1316.4	1316.4
55°	1243.4	1240.1	1236.8	1226.9	1226.9
57.5°	1157.2	1153.9	1147.3	1137.3	1137.3
60°	1061.1	1061.1	1057.8	1044.5	1047.8
62.5°	971.5	968.2	964.9	955.0	951.6
65°	875.4	875.4	872.1	858.8	858.8
67.5°	782.5	782.5	775.9	762.6	762.6
70°	693.0	683.1	679.7	669.8	666.5
72.5°	593.5	590.2	583.6	573.6	573.6
75°	504.0	497.4	490.7	480.8	480.8
77.5°	407.8	401.2	394.6	391.3	384.6
80°	318.3	315.0	311.7	301.7	298.4
82.5°	228.8	225.5	222.2	218.8	215.5
85°	145.9	142.6	142.6	135.9	135.9
87.5°	63.0	66.3	59.7	63.0	59.7
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)