

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: P568484

Luminaire Tested: **24CGTX-80HE-L940**

Issue Date: 9/19/2022



**Test Information**

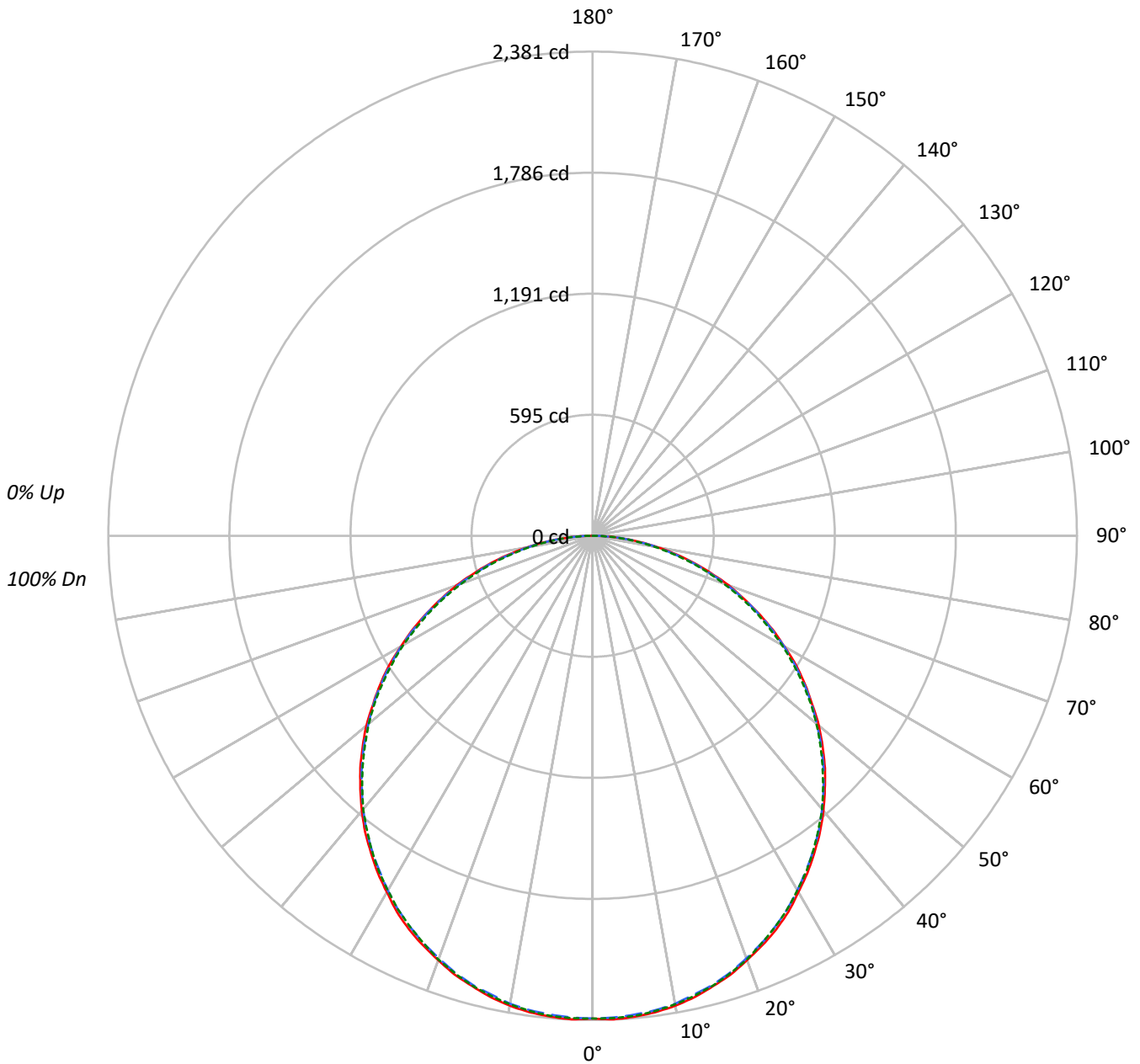
Test Method: LM-79-08  
Report Number: P568484  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-80HE-L940  
Description: 2X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6976.0 lumens  
Efficiency: N/A  
Efficacy: 109.5 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): 63.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	3194	3194	3194
5°	3206	3193	3202
10°	3206	3192	3197
15°	3193	3184	3188
20°	3180	3166	3175
25°	3171	3151	3151
30°	3144	3128	3128
35°	3123	3106	3106
40°	3100	3083	3083
45°	3074	3055	3042
50°	3040	3012	3004
55°	2992	2976	2952
60°	2929	2920	2892
65°	2859	2848	2805
70°	2796	2743	2689
75°	2688	2617	2564
80°	2530	2477	2372
85°	2311	2257	2152



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.0	3.2
10°-20°	645.0	9.2
20°-30°	978.9	14.0
30°-40°	1184.4	17.0
40°-50°	1237.3	17.7
50°-60°	1131.8	16.2
60°-70°	880.9	12.6
70°-80°	530.9	7.6
80°-90°	161.8	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°	1848.9	26.5
0°-40°	3033.2	43.5
0°-60°	5402.3	77.4
0°-90°	6976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6976.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2374	2374	2374	2374	2374	
5°	2374	2367	2364	2364	2371	226
15°	2292	2286	2286	2282	2289	647
25°	2136	2126	2122	2119	2122	984
35°	1901	1894	1891	1891	1891	1190
45°	1616	1605	1605	1598	1598	1245
55°	1275	1272	1269	1258	1258	1139
65°	898	898	894	881	881	890
75°	517	510	503	493	493	544
85°	150	146	146	139	139	167
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2374.0	2374.0	2374.0	2374.0	2374.0
2.5°	2380.8	2374.0	2370.6	2370.6	2374.0
5°	2374.0	2367.2	2363.8	2363.8	2370.6
7.5°	2363.8	2353.6	2353.6	2350.2	2357.0
10°	2346.8	2336.6	2336.6	2333.2	2340.0
12.5°	2323.0	2312.8	2309.4	2309.4	2316.2
15°	2292.4	2285.6	2285.6	2282.2	2289.0
17.5°	2261.8	2251.6	2251.6	2248.2	2255.0
20°	2221.0	2214.2	2210.8	2210.8	2217.6
22.5°	2180.1	2173.3	2169.9	2169.9	2169.9
25°	2135.9	2125.7	2122.3	2118.9	2122.3
27.5°	2084.9	2071.3	2071.3	2067.9	2071.3
30°	2023.7	2016.9	2013.5	2010.1	2013.5
32.5°	1965.9	1955.7	1952.3	1955.7	1955.7
35°	1901.2	1894.4	1891.0	1891.0	1891.0
37.5°	1836.6	1826.4	1826.4	1823.0	1823.0
40°	1765.2	1758.4	1755.0	1755.0	1755.0
42.5°	1690.4	1683.6	1680.2	1676.8	1676.8
45°	1615.6	1605.3	1605.3	1598.5	1598.5
47.5°	1533.9	1527.1	1523.7	1516.9	1516.9
50°	1452.3	1445.5	1438.7	1438.7	1435.3
52.5°	1360.5	1360.5	1357.1	1350.3	1350.3
55°	1275.4	1272.0	1268.6	1258.4	1258.4
57.5°	1187.0	1183.6	1176.8	1166.6	1166.6
60°	1088.4	1088.4	1085.0	1071.4	1074.8
62.5°	996.5	993.1	989.7	979.5	976.1
65°	897.9	897.9	894.5	880.9	880.9
67.5°	802.7	802.7	795.9	782.3	782.3
70°	710.8	700.6	697.2	687.0	683.6
72.5°	608.8	605.4	598.6	588.4	588.4
75°	517.0	510.2	503.4	493.2	493.2
77.5°	418.3	411.5	404.7	401.3	394.5
80°	326.5	323.1	319.7	309.5	306.1
82.5°	234.7	231.3	227.9	224.5	221.1
85°	149.7	146.2	146.2	139.4	139.4
87.5°	64.6	68.0	61.2	64.6	61.2
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)