

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: P568567

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

Issue Date: 9/19/2022



**Test Information**

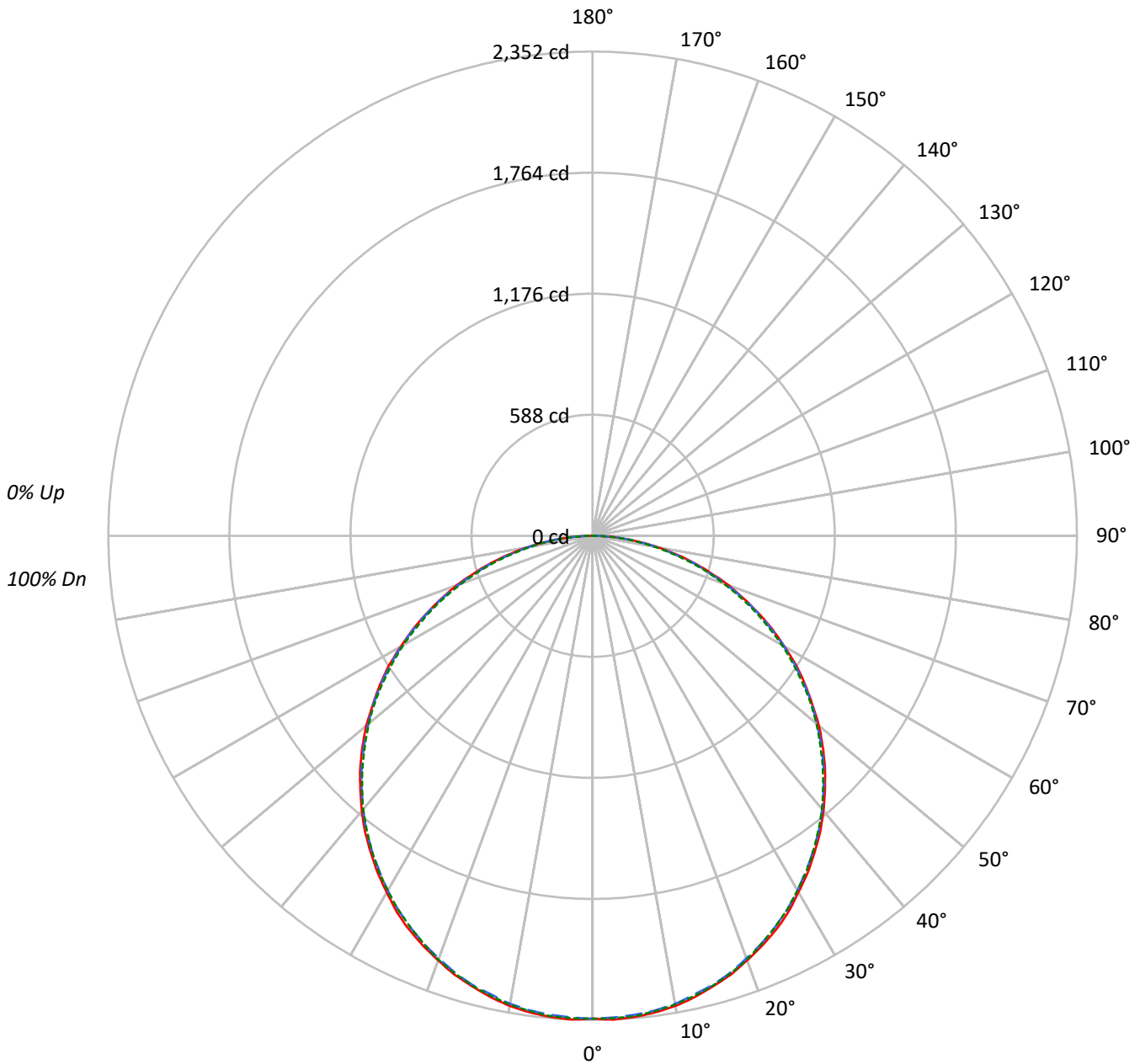
Test Method: LM-79-08  
Report Number: P568567  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-80-L940  
Description: 2X4 8000 LUMEN LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 4000K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6893.0 lumens  
Efficiency: N/A  
Efficacy: 102.0 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): 67.6  
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°	3156	3156	3156
5°	3168	3155	3164
10°	3168	3154	3159
15°	3155	3146	3150
20°	3142	3128	3137
25°	3133	3113	3113
30°	3107	3091	3091
35°	3086	3069	3069
40°	3064	3046	3046
45°	3037	3018	3005
50°	3004	2976	2969
55°	2956	2940	2917
60°	2894	2885	2858
65°	2825	2814	2771
70°	2763	2710	2657
75°	2655	2586	2533
80°	2500	2448	2344
85°	2283	2231	2127



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.3	3.2
10°-20°	637.3	9.2
20°-30°	967.2	14.0
30°-40°	1170.3	17.0
40°-50°	1222.6	17.7
50°-60°	1118.3	16.2
60°-70°	870.4	12.6
70°-80°	524.6	7.6
80°-90°	159.9	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°	1826.9	26.5
0°-40°	2997.1	43.5
0°-60°	5338.0	77.4
0°-90°	6893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6893.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2346	2346	2346	2346	2346	
5°	2346	2339	2336	2336	2342	223
15°	2265	2258	2258	2255	2262	640
25°	2110	2100	2097	2094	2097	972
35°	1879	1872	1868	1868	1868	1176
45°	1596	1586	1586	1580	1580	1230
55°	1260	1257	1254	1244	1244	1126
65°	887	887	884	870	870	880
75°	511	504	497	487	487	538
85°	148	144	144	138	138	165
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2345.8	2345.8	2345.8	2345.8	2345.8
2.5°	2352.5	2345.8	2342.4	2342.4	2345.8
5°	2345.8	2339.0	2335.7	2335.7	2342.4
7.5°	2335.7	2325.6	2325.6	2322.2	2329.0
10°	2318.9	2308.8	2308.8	2305.4	2312.2
12.5°	2295.4	2285.3	2281.9	2281.9	2288.6
15°	2265.1	2258.4	2258.4	2255.0	2261.7
17.5°	2234.9	2224.8	2224.8	2221.4	2228.1
20°	2194.5	2187.8	2184.5	2184.5	2191.2
22.5°	2154.2	2147.5	2144.1	2144.1	2144.1
25°	2110.5	2100.4	2097.1	2093.7	2097.1
27.5°	2060.1	2046.7	2046.7	2043.3	2046.7
30°	1999.6	1992.9	1989.5	1986.2	1989.5
32.5°	1942.5	1932.4	1929.0	1932.4	1932.4
35°	1878.6	1871.9	1868.5	1868.5	1868.5
37.5°	1814.8	1804.7	1804.7	1801.3	1801.3
40°	1744.2	1737.5	1734.1	1734.1	1734.1
42.5°	1670.3	1663.5	1660.2	1656.8	1656.8
45°	1596.3	1586.2	1586.2	1579.5	1579.5
47.5°	1515.7	1509.0	1505.6	1498.9	1498.9
50°	1435.0	1428.3	1421.6	1421.6	1418.2
52.5°	1344.3	1344.3	1340.9	1334.2	1334.2
55°	1260.3	1256.9	1253.5	1243.5	1243.5
57.5°	1172.9	1169.5	1162.8	1152.7	1152.7
60°	1075.4	1075.4	1072.1	1058.6	1062.0
62.5°	984.7	981.3	978.0	967.9	964.5
65°	887.2	887.2	883.9	870.4	870.4
67.5°	793.1	793.1	786.4	773.0	773.0
70°	702.4	692.3	688.9	678.9	675.5
72.5°	601.6	598.2	591.5	581.4	581.4
75°	510.8	504.1	497.4	487.3	487.3
77.5°	413.4	406.6	399.9	396.6	389.8
80°	322.6	319.3	315.9	305.8	302.5
82.5°	231.9	228.5	225.2	221.8	218.4
85°	147.9	144.5	144.5	137.8	137.8
87.5°	63.9	67.2	60.5	63.9	60.5
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)