

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: P568462

Luminaire Tested: **24CGTX-80HE-L935**

Issue Date: 9/19/2022

**Test Information**

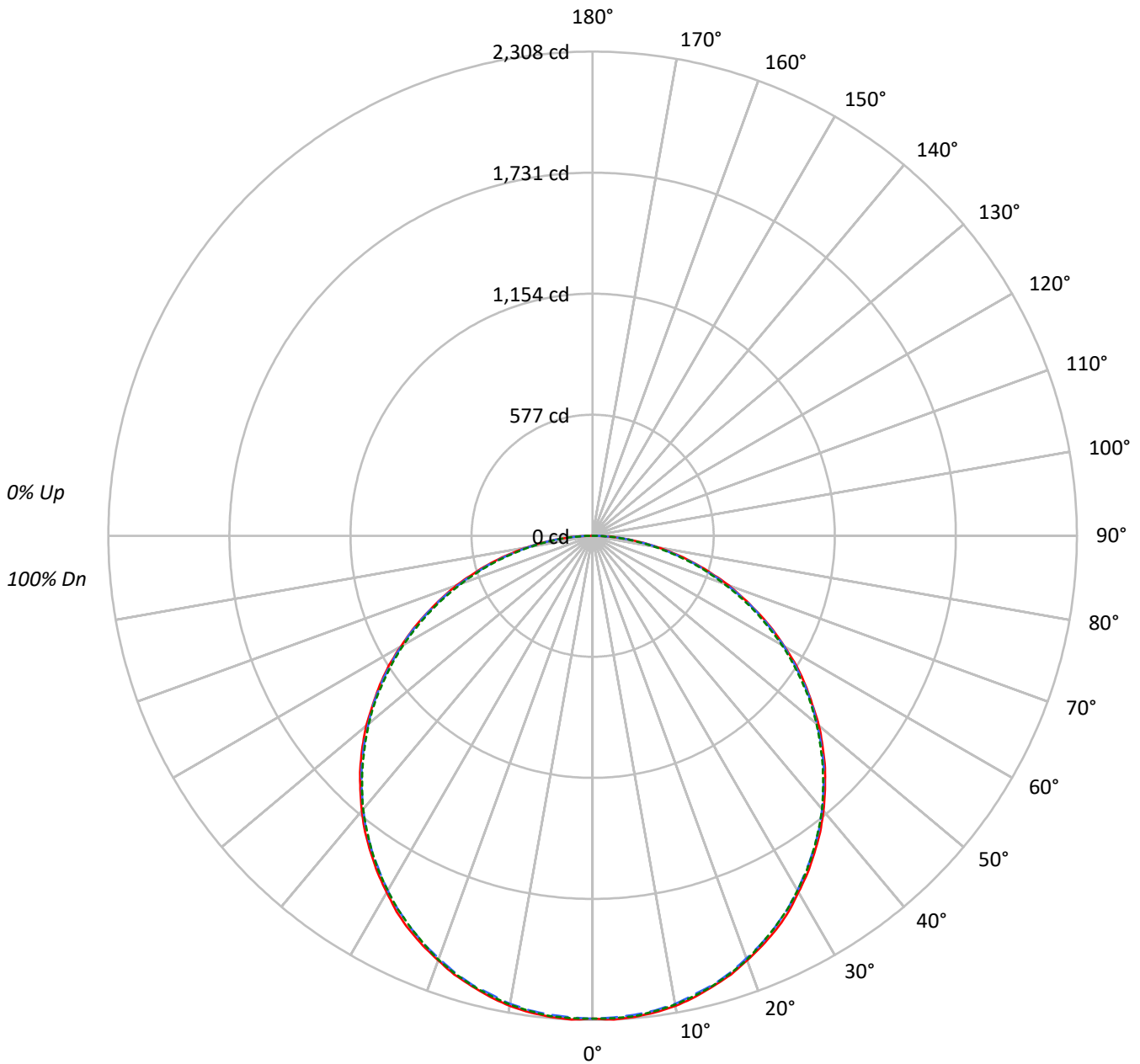
Test Method: LM-79-08  
Report Number: P568462  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2206-672-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24CGTX-80HE-L935  
Description: 2X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 3500K, 90CRI LEDS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6764.0 lumens  
Efficiency: N/A  
Efficacy: 106.2 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

TEST NUMBER: P568462  
CATALOG NUMBER: 24CGTX-80HE-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P568462

CATALOG NUMBER: 24CGTX-80HE-L935

**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	50	30	10	0		
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100		
	1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83	83	83	83	83	83		
	2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69	69	69	69	69	69		
	3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58	58	58	58	58	58		
	4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49	49	49	49	49	49		
	5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42	42	42	42	42	42		
	6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37	37	37	37	37	37		
	7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	32	32	32	32	32	32		
	8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29	29	29	29	29	29		
	9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26	26	26	26	26	26		
	10	52	39	31	26	51	38	31	26	37	30	26	37	30	25	36	30	25	24	24	24	24	24	24		

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3097	3097	3097
5°	3109	3096	3105
10°	3109	3095	3100
15°	3096	3087	3092
20°	3083	3069	3079
25°	3075	3055	3055
30°	3049	3033	3033
35°	3028	3012	3012
40°	3006	2989	2989
45°	2981	2962	2949
50°	2948	2920	2913
55°	2901	2886	2862
60°	2840	2831	2804
65°	2772	2761	2719
70°	2711	2659	2608
75°	2606	2537	2486
80°	2453	2402	2300
85°	2240	2189	2087



TEST NUMBER: P568462

CATALOG NUMBER: 24CGTX-80HE-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.1	3.2
10°-20°	625.4	9.2
20°-30°	949.1	14.0
30°-40°	1148.4	17.0
40°-50°	1199.7	17.7
50°-60°	1097.4	16.2
60°-70°	854.2	12.6
70°-80°	514.8	7.6
80°-90°	156.9	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°	1792.7	26.5
0°-40°	2941.1	43.5
0°-60°	5238.2	77.4
0°-90°	6764.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6764.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2302	2302	2302	2302	2302	
5°	2302	2295	2292	2292	2299	219
15°	2223	2216	2216	2213	2219	628
25°	2071	2061	2058	2054	2058	954
35°	1844	1837	1834	1834	1834	1154
45°	1566	1557	1557	1550	1550	1207
55°	1237	1233	1230	1220	1220	1105
65°	871	871	867	854	854	863
75°	501	495	488	478	478	528
85°	145	142	142	135	135	161
90°	0	0	0	0	0	



TEST NUMBER: P568462

CATALOG NUMBER: 24CGTX-80HE-L935

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2301.9	2301.9	2301.9	2301.9	2301.9
2.5°	2308.5	2301.9	2298.6	2298.6	2301.9
5°	2301.9	2295.3	2292.0	2292.0	2298.6
7.5°	2292.0	2282.1	2282.1	2278.8	2285.4
10°	2275.5	2265.6	2265.6	2262.3	2268.9
12.5°	2252.4	2242.5	2239.2	2239.2	2245.8
15°	2222.7	2216.1	2216.1	2212.8	2219.4
17.5°	2193.0	2183.1	2183.1	2179.8	2186.4
20°	2153.5	2146.9	2143.6	2143.6	2150.2
22.5°	2113.9	2107.3	2104.0	2104.0	2104.0
25°	2071.0	2061.1	2057.8	2054.5	2057.8
27.5°	2021.6	2008.4	2008.4	2005.1	2008.4
30°	1962.2	1955.6	1952.3	1949.0	1952.3
32.5°	1906.1	1896.2	1892.9	1896.2	1896.2
35°	1843.5	1836.9	1833.6	1833.6	1833.6
37.5°	1780.8	1770.9	1770.9	1767.6	1767.6
40°	1711.6	1705.0	1701.7	1701.7	1701.7
42.5°	1639.0	1632.4	1629.1	1625.8	1625.8
45°	1566.5	1556.6	1556.6	1550.0	1550.0
47.5°	1487.3	1480.7	1477.4	1470.8	1470.8
50°	1408.2	1401.6	1395.0	1395.0	1391.7
52.5°	1319.1	1319.1	1315.8	1309.2	1309.2
55°	1236.7	1233.4	1230.1	1220.2	1220.2
57.5°	1150.9	1147.6	1141.0	1131.1	1131.1
60°	1055.3	1055.3	1052.0	1038.8	1042.1
62.5°	966.3	963.0	959.7	949.8	946.5
65°	870.6	870.6	867.3	854.1	854.1
67.5°	778.3	778.3	771.7	758.5	758.5
70°	689.2	679.3	676.0	666.2	662.9
72.5°	590.3	587.0	580.4	570.5	570.5
75°	501.3	494.7	488.1	478.2	478.2
77.5°	405.6	399.0	392.4	389.1	382.5
80°	316.6	313.3	310.0	300.1	296.8
82.5°	227.5	224.3	221.0	217.7	214.4
85°	145.1	141.8	141.8	135.2	135.2
87.5°	62.7	66.0	59.4	62.7	59.4
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)