

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: P568506

Luminaire Tested: **24CGTX-80HE-L950**

Issue Date: 9/19/2022

Test Information

Test Method: LM-79-08
Report Number: P568506
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-L950
Description: 2X4 8000 LUMEN, HIGH EFFICACY, LED PANEL WITH SMOOTH WHITE FROSTED ACRYLIC LENS AND 5000K, 90CRI LEDS
Light Source: -
Ballast/Driver: -

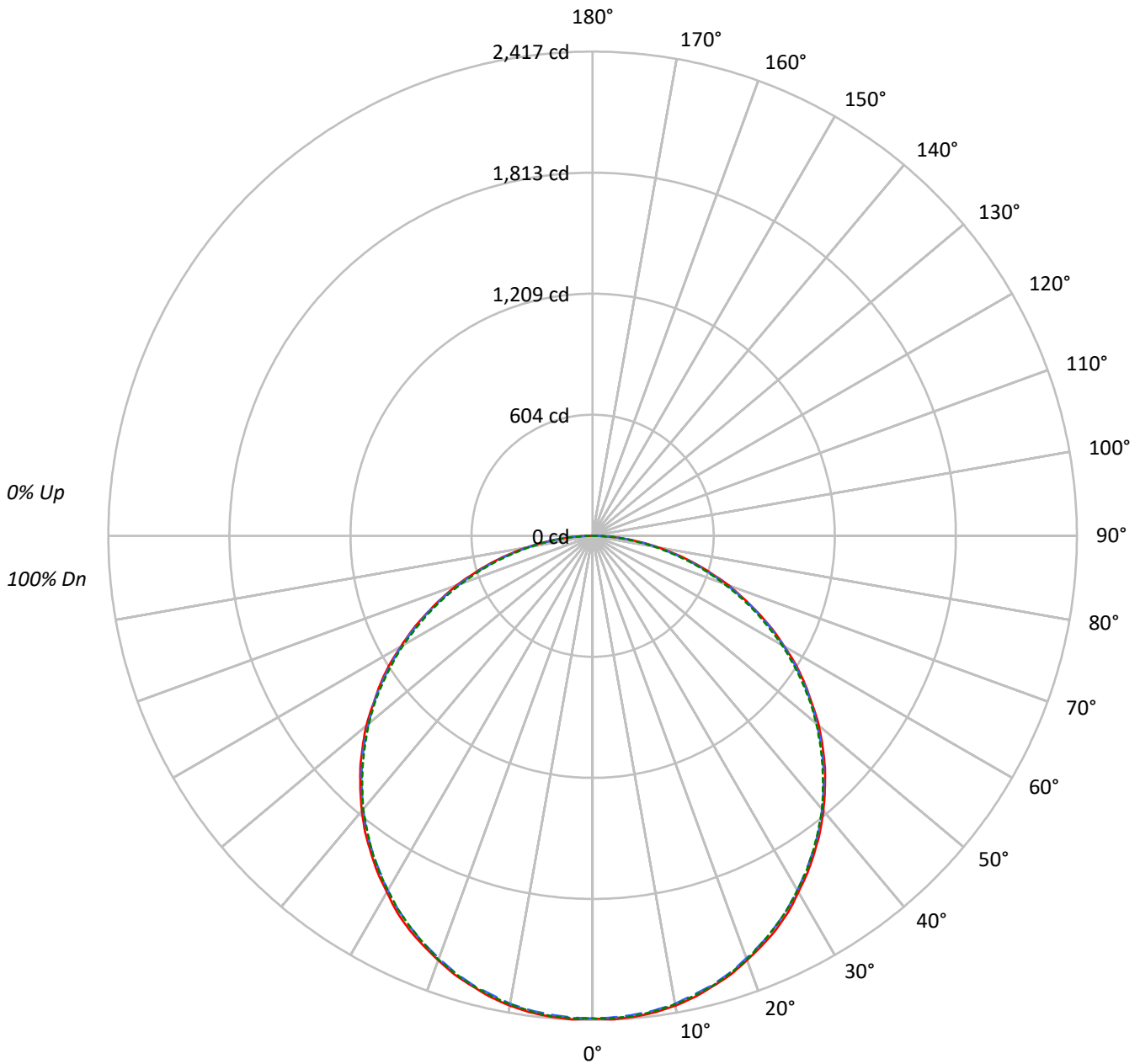
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7081.0 lumens
Efficiency: N/A
Efficacy: 111.2 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_{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

TEST NUMBER: P568506
CATALOG NUMBER: 24CGTX-80HE-L950

Luminous Intensity Polar Plot





TEST NUMBER: P568506

CATALOG NUMBER: 24CGTX-80HE-L950

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3242	3242	3242
5°	3255	3241	3250
10°	3255	3240	3245
15°	3241	3232	3236
20°	3228	3213	3223
25°	3219	3198	3198
30°	3191	3175	3175
35°	3170	3153	3153
40°	3147	3129	3129
45°	3120	3101	3087
50°	3086	3057	3050
55°	3037	3021	2997
60°	2973	2964	2936
65°	2902	2891	2847
70°	2838	2784	2730
75°	2728	2656	2602
80°	2568	2514	2407
85°	2345	2293	2184



TEST NUMBER: P568506

CATALOG NUMBER: 24CGTX-80HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	3.2
10°-20°	654.7	9.2
20°-30°	993.6	14.0
30°-40°	1202.2	17.0
40°-50°	1255.9	17.7
50°-60°	1148.8	16.2
60°-70°	894.2	12.6
70°-80°	538.9	7.6
80°-90°	164.2	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°	1876.7	26.5
0°-40°	3078.9	43.5
0°-60°	5483.6	77.4
0°-90°	7081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7081.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2410	2410	2410	2410	2410	
5°	2410	2403	2399	2399	2406	229
15°	2327	2320	2320	2316	2323	657
25°	2168	2158	2154	2151	2154	998
35°	1930	1923	1920	1920	1920	1208
45°	1640	1630	1630	1623	1623	1264
55°	1295	1291	1288	1277	1277	1156
65°	911	911	908	894	894	904
75°	525	518	511	501	501	552
85°	152	148	148	142	142	169
90°	0	0	0	0	0	



TEST NUMBER: P568506

CATALOG NUMBER: 24CGTX-80HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2409.7	2409.7	2409.7	2409.7	2409.7
2.5°	2416.6	2409.7	2406.3	2406.3	2409.7
5°	2409.7	2402.8	2399.4	2399.4	2406.3
7.5°	2399.4	2389.0	2389.0	2385.6	2392.5
10°	2382.1	2371.8	2371.8	2368.3	2375.2
12.5°	2358.0	2347.6	2344.1	2344.1	2351.1
15°	2326.9	2320.0	2320.0	2316.5	2323.4
17.5°	2295.8	2285.5	2285.5	2282.0	2288.9
20°	2254.4	2247.5	2244.0	2244.0	2250.9
22.5°	2213.0	2206.1	2202.6	2202.6	2202.6
25°	2168.1	2157.7	2154.3	2150.8	2154.3
27.5°	2116.3	2102.5	2102.5	2099.0	2102.5
30°	2054.2	2047.2	2043.8	2040.3	2043.8
32.5°	1995.5	1985.1	1981.7	1985.1	1985.1
35°	1929.9	1923.0	1919.5	1919.5	1919.5
37.5°	1864.3	1853.9	1853.9	1850.5	1850.5
40°	1791.8	1784.9	1781.4	1781.4	1781.4
42.5°	1715.8	1708.9	1705.5	1702.0	1702.0
45°	1639.9	1629.5	1629.5	1622.6	1622.6
47.5°	1557.0	1550.1	1546.7	1539.7	1539.7
50°	1474.2	1467.3	1460.3	1460.3	1456.9
52.5°	1380.9	1380.9	1377.5	1370.6	1370.6
55°	1294.6	1291.2	1287.7	1277.4	1277.4
57.5°	1204.9	1201.4	1194.5	1184.2	1184.2
60°	1104.8	1104.8	1101.3	1087.5	1090.9
62.5°	1011.5	1008.1	1004.6	994.3	990.8
65°	911.4	911.4	908.0	894.2	894.2
67.5°	814.8	814.8	807.9	794.0	794.0
70°	721.5	711.2	707.7	697.4	693.9
72.5°	618.0	614.5	607.6	597.3	597.3
75°	524.8	517.9	510.9	500.6	500.6
77.5°	424.6	417.7	410.8	407.4	400.5
80°	331.4	328.0	324.5	314.2	310.7
82.5°	238.2	234.8	231.3	227.9	224.4
85°	151.9	148.5	148.5	141.5	141.5
87.5°	65.6	69.0	62.1	65.6	62.1
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)