

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1588721

Luminaire Tested: 24CZSP-A-57-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2604-747-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-57-L850
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

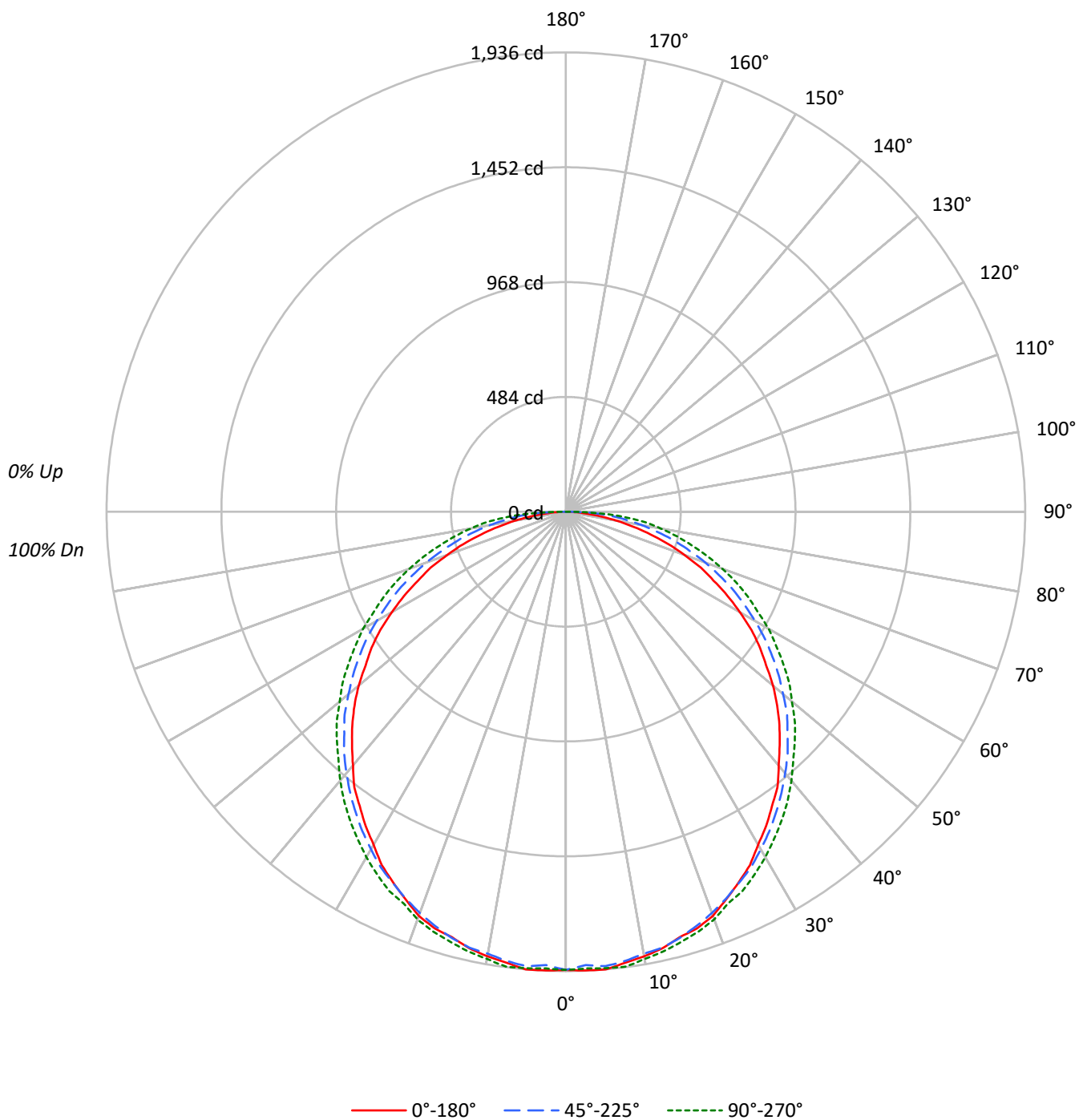
Lumens per Lamp: N/A
Luminaire Lumens: 5893.0 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
Input Voltage (V): NR
Input Current (Ain): 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: 24 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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	108	103	98	94	105	100	96	92	96	93	89		92	89	87		89
2	98	89	82	76	95	87	80	75	83	78	73		80	75	71		77
3	89	78	69	62	86	76	68	62	73	66	61		70	64	60		68
4	81	69	60	53	79	67	59	52	65	57	51		62	56	51		60
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54
6	69	55	46	39	67	54	45	39	52	44	39		50	44	38		49
7	64	50	41	35	62	49	40	34	47	40	34		46	39	34		45
8	59	45	37	31	58	45	36	31	43	36	30		42	35	30		41
9	55	42	33	28	54	41	33	28	40	33	27		39	32	27		38
10	52	38	30	25	51	38	30	25	37	30	25		36	29	25		35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2957	2957	2957
5°	2977	2955	2968
10°	2959	2941	2976
15°	2943	2947	2976
20°	2954	2933	2979
25°	2912	2917	2979
30°	2865	2905	2973
35°	2831	2890	2966
40°	2791	2875	2957
45°	2757	2861	2956
50°	2717	2848	2963
55°	2668	2838	2989
60°	2594	2819	3022
65°	2491	2818	3069
70°	2377	2800	3141
75°	2188	2806	3257
80°	1917	2863	3585
85°	1464	3299	4291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 4758 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.3	3.1
10°-20°	526.9	8.9
20°-30°	800.5	13.6
30°-40°	969.6	16.5
40°-50°	1020.1	17.3
50°-60°	948.5	16.1
60°-70°	763.7	13.0
70°-80°	494.7	8.4
80°-90°	185.5	3.1
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°	1510.7	25.6
0°-40°	2480.4	42.1
0°-60°	4449.0	75.5
0°-90°	5893.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5893.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1931	1931	1931	1931	1931	
5°	1936	1934	1922	1934	1931	183
15°	1856	1863	1859	1881	1877	526
25°	1723	1722	1726	1756	1763	794
35°	1514	1526	1545	1572	1586	949
45°	1273	1290	1321	1349	1365	981
55°	999	1025	1063	1105	1119	891
65°	687	718	778	824	847	683
75°	370	406	474	529	550	393
85°	83	123	188	234	244	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1930.7	1930.7	1930.7	1930.7	1930.7
2.5°	1934.9	1934.9	1912.3	1936.3	1926.4
5°	1936.3	1933.5	1922.2	1933.5	1930.7
7.5°	1916.6	1919.4	1909.5	1923.6	1933.5
10°	1902.5	1905.3	1891.2	1913.7	1913.7
12.5°	1884.1	1886.9	1881.3	1902.5	1898.2
15°	1855.9	1862.9	1858.7	1881.3	1877.1
17.5°	1840.4	1834.7	1830.5	1847.4	1855.9
20°	1812.1	1799.4	1799.4	1822.0	1827.7
22.5°	1767.0	1762.7	1764.1	1792.4	1786.7
25°	1723.2	1721.8	1726.0	1755.7	1762.7
27.5°	1679.5	1676.6	1689.3	1717.6	1723.2
30°	1620.2	1625.8	1642.8	1673.8	1680.9
32.5°	1570.8	1580.7	1596.2	1625.8	1634.3
35°	1514.3	1525.6	1545.4	1572.2	1586.3
37.5°	1464.9	1472.0	1493.2	1518.6	1535.5
40°	1395.8	1414.1	1438.1	1474.8	1479.1
42.5°	1333.7	1352.0	1383.1	1422.6	1418.4
45°	1273.0	1289.9	1321.0	1349.2	1364.7
47.5°	1208.1	1223.6	1264.5	1298.4	1309.7
50°	1140.3	1160.1	1195.4	1230.7	1243.4
52.5°	1064.1	1085.3	1130.5	1168.6	1186.9
55°	999.2	1024.6	1062.7	1105.1	1119.2
57.5°	927.2	948.4	995.0	1037.3	1051.4
60°	846.8	872.2	920.2	965.3	986.5
62.5°	769.2	797.4	848.2	894.8	911.7
65°	687.3	718.4	777.6	824.2	846.8
67.5°	616.7	642.1	700.0	752.2	776.2
70°	530.7	564.5	625.2	683.1	701.4
72.5°	454.4	484.1	547.6	605.5	628.0
75°	369.8	406.5	474.2	529.2	550.4
77.5°	292.1	330.2	398.0	455.9	479.8
80°	217.3	254.0	324.6	383.9	406.5
82.5°	146.8	183.5	254.0	311.9	337.3
85°	83.3	122.8	187.7	234.3	244.2
87.5°	36.7	70.6	105.8	127.0	135.5
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	15.45	17.13	15.82	17.45	17.76	16.13	17.81	16.49	18.12	18.44
	3H	17.31	18.83	17.68	19.16	19.52	18.34	19.87	18.72	20.20	20.56
	4H	17.99	19.44	18.39	19.78	20.16	19.31	20.75	19.70	21.10	21.47
	6H	18.48	19.83	18.89	20.19	20.58	20.20	21.54	20.61	21.90	22.29
	8H	18.63	19.92	19.05	20.30	20.70	20.60	21.89	21.03	22.28	22.67
	12H	18.72	19.95	19.15	20.33	20.76	20.96	22.19	21.39	22.58	23.00
4H	2H	16.24	17.69	16.64	18.04	18.41	16.76	18.21	17.16	18.56	18.93
	3H	18.33	19.55	18.74	19.95	20.35	19.22	20.45	19.63	20.84	21.24
	4H	19.15	20.26	19.58	20.67	21.11	20.35	21.46	20.78	21.87	22.31
	6H	19.78	20.75	20.23	21.19	21.64	21.42	22.40	21.87	22.84	23.29
	8H	19.97	20.89	20.43	21.33	21.79	21.91	22.83	22.37	23.27	23.73
	12H	20.11	20.94	20.59	21.41	21.88	22.37	23.19	22.84	23.67	24.13
8H	4H	19.66	20.58	20.12	21.02	21.48	20.70	21.61	21.15	22.05	22.51
	6H	20.45	21.21	20.94	21.70	22.17	21.95	22.71	22.44	23.20	23.67
	8H	20.73	21.42	21.23	21.92	22.41	22.57	23.26	23.07	23.76	24.25
	12H	20.95	21.56	21.45	22.05	22.60	23.18	23.79	23.68	24.28	24.84
12H	4H	19.77	20.59	20.25	21.07	21.54	20.73	21.56	21.21	22.03	22.50
	6H	20.61	21.30	21.12	21.81	22.29	22.02	22.71	22.52	23.21	23.70
	8H	20.98	21.59	21.49	22.08	22.64	22.72	23.34	23.23	23.83	24.38

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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