

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: P1588720

Luminaire Tested: 24CZSP-A-57-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588720
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-57-L850-S
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 80CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

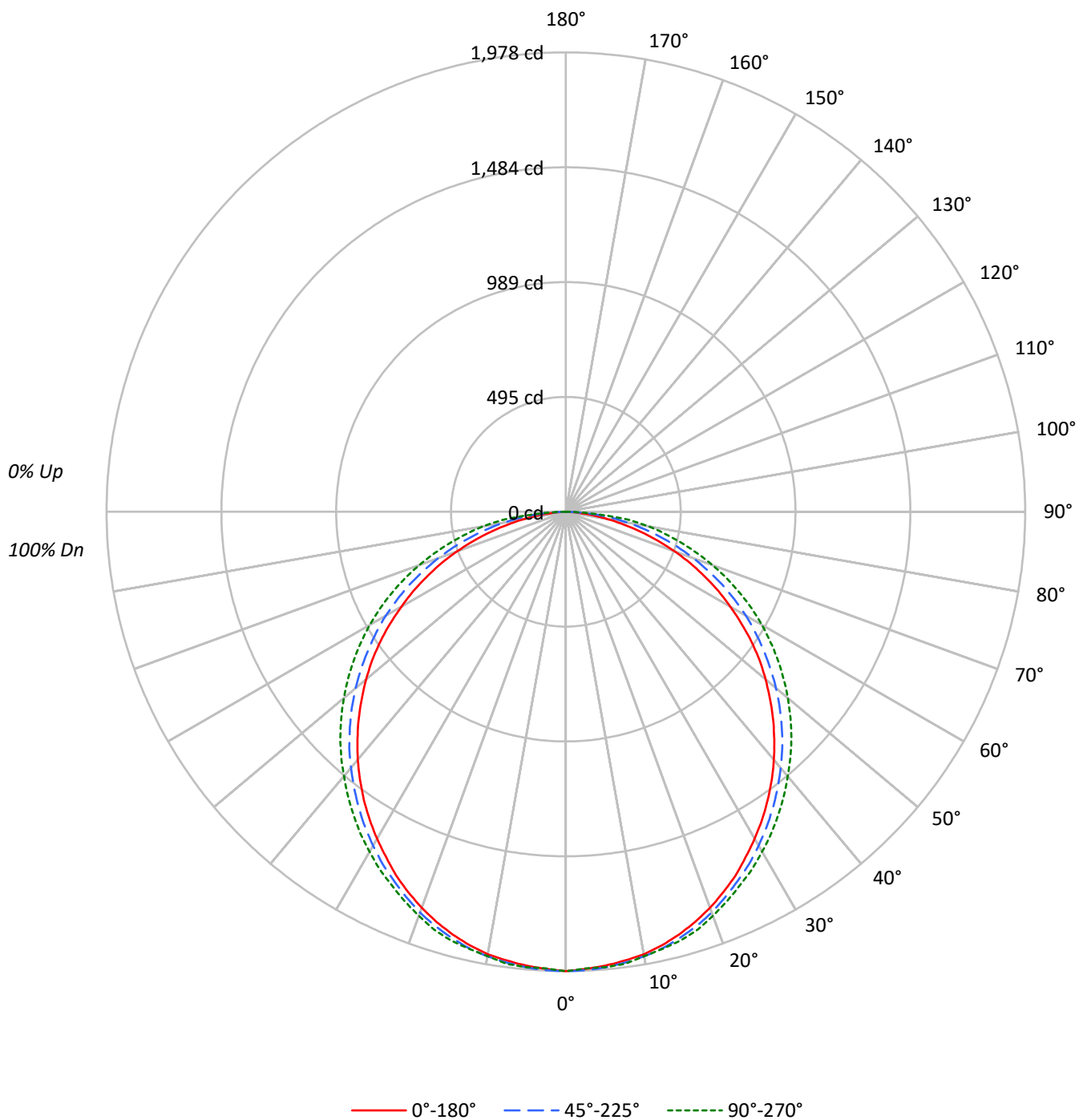
Lumens per Lamp: N/A
Luminaire Lumens: 5775.0 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	99	95	106	101	97	93	97	93	90		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78
3	89	79	70	64	87	77	69	63	74	67	62		71	65	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3030	3030	3030
5°	3016	3028	3026
10°	3009	3023	3021
15°	2988	3012	3030
20°	2958	2993	3018
25°	2921	2962	2998
30°	2875	2936	2990
35°	2834	2907	2981
40°	2787	2878	2972
45°	2734	2849	2975
50°	2675	2814	2974
55°	2605	2775	2978
60°	2508	2744	2985
65°	2393	2691	2994
70°	2230	2616	3008
75°	1987	2512	3037
80°	1643	2392	3186
85°	1068	2160	2784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3287 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	3.2
10°-20°	535.7	9.3
20°-30°	807.9	14.0
30°-40°	973.1	16.8
40°-50°	1016.2	17.6
50°-60°	933.3	16.2
60°-70°	735.1	12.7
70°-80°	451.0	7.8
80°-90°	135.7	2.4
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°	1530.6	26.5
0°-40°	2503.7	43.4
0°-60°	4453.2	77.1
0°-90°	5775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5775.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1978	1978	1978	1978	1978	
5°	1962	1964	1969	1976	1968	186
15°	1884	1888	1900	1911	1911	531
25°	1728	1732	1752	1774	1774	796
35°	1516	1523	1555	1586	1594	948
45°	1262	1276	1315	1361	1374	973
55°	976	994	1039	1097	1115	871
65°	660	683	743	805	826	653
75°	336	362	424	492	513	356
85°	61	84	123	156	158	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1978.1	1978.1	1978.1	1978.1	1978.1
2.5°	1970.5	1974.3	1975.6	1976.8	1968.0
5°	1961.6	1964.2	1969.2	1975.6	1968.0
7.5°	1948.9	1951.5	1957.8	1966.7	1962.9
10°	1935.0	1936.3	1943.9	1950.2	1942.6
12.5°	1912.2	1916.0	1924.9	1929.9	1927.4
15°	1884.3	1888.1	1899.5	1910.9	1910.9
17.5°	1851.4	1856.4	1870.4	1885.6	1886.9
20°	1814.6	1818.4	1836.2	1851.4	1851.4
22.5°	1772.8	1777.9	1795.6	1812.1	1814.6
25°	1728.5	1732.3	1752.5	1774.1	1774.1
27.5°	1676.5	1684.1	1709.4	1731.0	1736.1
30°	1625.8	1632.1	1660.0	1686.6	1690.4
32.5°	1572.6	1580.2	1609.3	1638.5	1644.8
35°	1515.6	1523.2	1554.8	1586.5	1594.1
37.5°	1456.0	1464.9	1497.8	1534.6	1542.2
40°	1393.9	1404.1	1439.5	1478.8	1486.4
42.5°	1328.0	1342.0	1380.0	1420.5	1431.9
45°	1262.1	1276.1	1315.3	1361.0	1373.6
47.5°	1192.4	1208.9	1249.5	1297.6	1311.5
50°	1122.7	1139.2	1181.0	1233.0	1248.2
52.5°	1051.8	1068.2	1111.3	1165.8	1182.3
55°	975.7	993.5	1039.1	1097.4	1115.1
57.5°	897.2	920.0	968.1	1027.7	1045.4
60°	818.6	841.4	895.9	954.2	974.5
62.5°	741.3	762.9	818.6	880.7	902.2
65°	660.2	683.0	742.6	804.7	826.2
67.5°	580.4	603.2	662.7	727.4	750.2
70°	498.0	523.4	584.2	648.8	671.6
72.5°	415.6	442.3	504.3	570.2	591.8
75°	335.8	362.4	424.5	491.7	513.2
77.5°	257.2	286.4	347.2	415.6	435.9
80°	186.3	214.2	271.2	338.3	361.2
82.5°	119.1	143.2	200.2	263.6	280.1
85°	60.8	83.6	122.9	155.9	158.4
87.5°	19.0	26.6	40.6	60.8	62.1
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	15.33	16.99	15.69	17.31	17.62	16.16	17.82	16.52	18.14	18.45
	3H	17.08	18.59	17.46	18.92	19.28	18.28	19.78	18.65	20.11	20.47
	4H	17.70	19.13	18.10	19.47	19.85	19.16	20.59	19.56	20.93	21.31
	6H	18.11	19.44	18.52	19.80	20.19	19.95	21.27	20.36	21.63	22.02
	8H	18.22	19.48	18.65	19.87	20.27	20.27	21.53	20.69	21.92	22.32
	12H	18.27	19.48	18.70	19.87	20.29	20.48	21.69	20.91	22.07	22.50
4H	2H	16.10	17.52	16.50	17.87	18.25	16.75	18.17	17.14	18.52	18.89
	3H	18.08	19.28	18.49	19.67	20.07	19.10	20.30	19.51	20.70	21.10
	4H	18.82	19.90	19.25	20.31	20.75	20.15	21.24	20.58	21.65	22.09
	6H	19.34	20.30	19.80	20.74	21.19	21.11	22.06	21.56	22.50	22.95
	8H	19.49	20.38	19.95	20.82	21.29	21.50	22.40	21.96	22.84	23.30
	12H	19.57	20.38	20.05	20.85	21.32	21.78	22.58	22.26	23.06	23.53
8H	4H	19.27	20.17	19.73	20.61	21.07	20.44	21.34	20.90	21.78	22.24
	6H	19.94	20.68	20.43	21.17	21.64	21.56	22.30	22.05	22.79	23.26
	8H	20.15	20.81	20.65	21.32	21.80	22.07	22.74	22.57	23.24	23.73
	12H	20.29	20.88	20.79	21.37	21.93	22.45	23.04	22.96	23.53	24.09
12H	4H	19.36	20.17	19.84	20.64	21.11	20.47	21.27	20.95	21.75	22.21
	6H	20.07	20.74	20.57	21.24	21.73	21.60	22.27	22.11	22.78	23.26
	8H	20.35	20.94	20.85	21.43	21.99	22.18	22.77	22.69	23.26	23.82

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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