

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: P1584801

Luminaire Tested: 14CZSP-A-75-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-75-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 7200 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

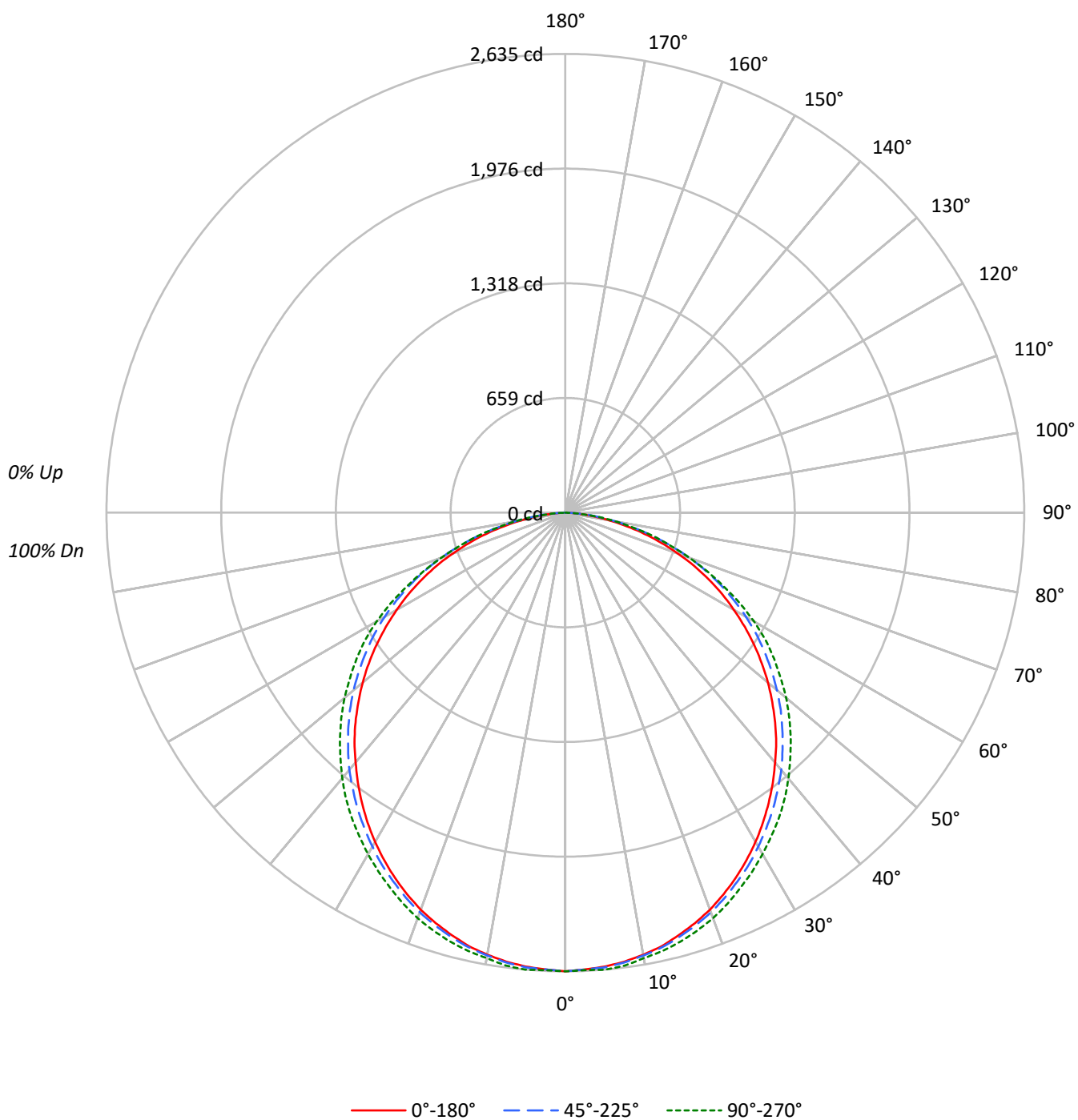
Lumens per Lamp: N/A
Luminaire Lumens: 7603.0 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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			0
RW	70	50	30	10	70	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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8879	8879	8879
5°	8852	8867	8913
10°	8823	8838	8892
15°	8767	8807	8901
20°	8705	8762	8891
25°	8607	8690	8841
30°	8498	8621	8814
35°	8373	8549	8799
40°	8239	8487	8765
45°	8120	8399	8722
50°	7964	8318	8673
55°	7773	8210	8594
60°	7534	8081	8431
65°	7243	7854	8015
70°	6795	7462	7462
75°	6103	6779	6808
80°	5030	5730	5730
85°	3487	4183	3661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8722 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.6	3.3
10°-20°	714.8	9.4
20°-30°	1081.9	14.2
30°-40°	1306.1	17.2
40°-50°	1364.5	17.9
50°-60°	1250.0	16.4
60°-70°	963.7	12.7
70°-80°	543.7	7.2
80°-90°	128.7	1.7
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°	2046.3	26.9
0°-40°	3352.3	44.1
0°-60°	5966.8	78.5
0°-90°	7603.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7603.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2635	2635	2635	2635	2635	
5°	2617	2635	2621	2626	2635	249
15°	2513	2529	2524	2545	2552	709
25°	2315	2335	2337	2369	2378	1067
35°	2035	2062	2078	2123	2139	1273
45°	1704	1733	1763	1814	1830	1313
55°	1323	1357	1398	1449	1463	1182
65°	908	938	985	1019	1005	898
75°	469	505	521	534	523	497
85°	90	101	108	115	95	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2635.0	2635.0	2635.0	2635.0	2635.0
2.5°	2625.9	2644.0	2625.9	2635.0	2630.4
5°	2616.9	2635.0	2621.4	2625.9	2635.0
7.5°	2601.1	2619.2	2605.7	2612.4	2623.7
10°	2578.6	2596.6	2583.1	2594.4	2598.9
12.5°	2551.6	2567.3	2558.3	2571.8	2578.6
15°	2513.2	2529.0	2524.5	2544.8	2551.6
17.5°	2472.7	2490.7	2486.2	2511.0	2517.7
20°	2427.6	2443.4	2443.4	2465.9	2479.4
22.5°	2373.5	2391.5	2393.8	2418.6	2432.1
25°	2314.9	2335.2	2337.4	2369.0	2378.0
27.5°	2251.8	2272.1	2281.1	2314.9	2323.9
30°	2184.1	2204.4	2215.7	2254.0	2265.3
32.5°	2112.0	2136.8	2148.1	2190.9	2202.2
35°	2035.4	2062.4	2078.2	2123.3	2139.1
37.5°	1956.5	1983.5	2003.8	2051.2	2069.2
40°	1873.1	1902.4	1929.4	1976.8	1992.6
42.5°	1791.9	1821.3	1846.0	1895.6	1911.4
45°	1704.0	1733.3	1762.6	1814.5	1830.3
47.5°	1611.6	1643.2	1677.0	1724.3	1744.6
50°	1519.2	1550.8	1586.8	1636.4	1654.5
52.5°	1422.3	1456.1	1492.2	1544.0	1557.5
55°	1323.1	1356.9	1397.5	1449.3	1462.9
57.5°	1221.7	1257.7	1300.6	1350.2	1363.7
60°	1118.0	1154.1	1199.1	1246.5	1251.0
62.5°	1016.6	1048.1	1093.2	1138.3	1131.5
65°	908.4	937.7	985.0	1018.8	1005.3
67.5°	800.2	831.7	874.6	899.4	881.3
70°	689.7	723.5	757.4	775.4	757.4
72.5°	579.3	615.3	640.1	651.4	635.6
75°	468.8	504.9	520.7	534.2	522.9
77.5°	362.9	396.7	403.5	419.2	403.5
80°	259.2	290.8	295.3	311.1	295.3
82.5°	166.8	187.1	196.1	209.6	193.8
85°	90.2	101.4	108.2	115.0	94.7
87.5°	31.6	36.1	31.6	27.0	11.3
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	19.30	20.95	19.66	21.26	21.58	19.84	21.49	20.21	21.81	22.12
	3H	21.09	22.58	21.46	22.91	23.27	21.65	23.14	22.03	23.47	23.83
	4H	21.73	23.13	22.12	23.48	23.86	22.30	23.70	22.69	24.05	24.43
	6H	22.15	23.45	22.56	23.82	24.21	22.74	24.04	23.15	24.40	24.79
	8H	22.26	23.50	22.68	23.89	24.29	22.86	24.10	23.28	24.49	24.89
	12H	22.31	23.51	22.74	23.89	24.32	22.92	24.11	23.34	24.49	24.92
4H	2H	20.03	21.43	20.42	21.78	22.16	20.45	21.86	20.85	22.21	22.58
	3H	22.03	23.21	22.44	23.61	24.01	22.49	23.67	22.90	24.06	24.46
	4H	22.80	23.87	23.23	24.28	24.72	23.27	24.34	23.70	24.75	25.18
	6H	23.34	24.28	23.80	24.72	25.17	23.84	24.77	24.29	25.21	25.66
	8H	23.49	24.36	23.95	24.80	25.27	24.00	24.87	24.46	25.32	25.78
	12H	23.57	24.36	24.05	24.83	25.30	24.09	24.88	24.57	25.35	25.82
8H	4H	23.14	24.02	23.60	24.46	24.92	23.56	24.43	24.02	24.87	25.34
	6H	23.80	24.53	24.30	25.02	25.49	24.24	24.96	24.73	25.45	25.93
	8H	24.01	24.66	24.52	25.16	25.65	24.47	25.12	24.98	25.63	26.11
	12H	24.15	24.72	24.65	25.21	25.77	24.62	25.20	25.13	25.69	26.25
12H	4H	23.18	23.97	23.66	24.44	24.91	23.58	24.37	24.06	24.84	25.31
	6H	23.86	24.51	24.37	25.02	25.50	24.28	24.93	24.79	25.44	25.92
	8H	24.12	24.69	24.62	25.18	25.74	24.56	25.14	25.07	25.63	26.19