

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: P1585901

Luminaire Tested: 14CZSP-SB-75-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-75-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 7200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

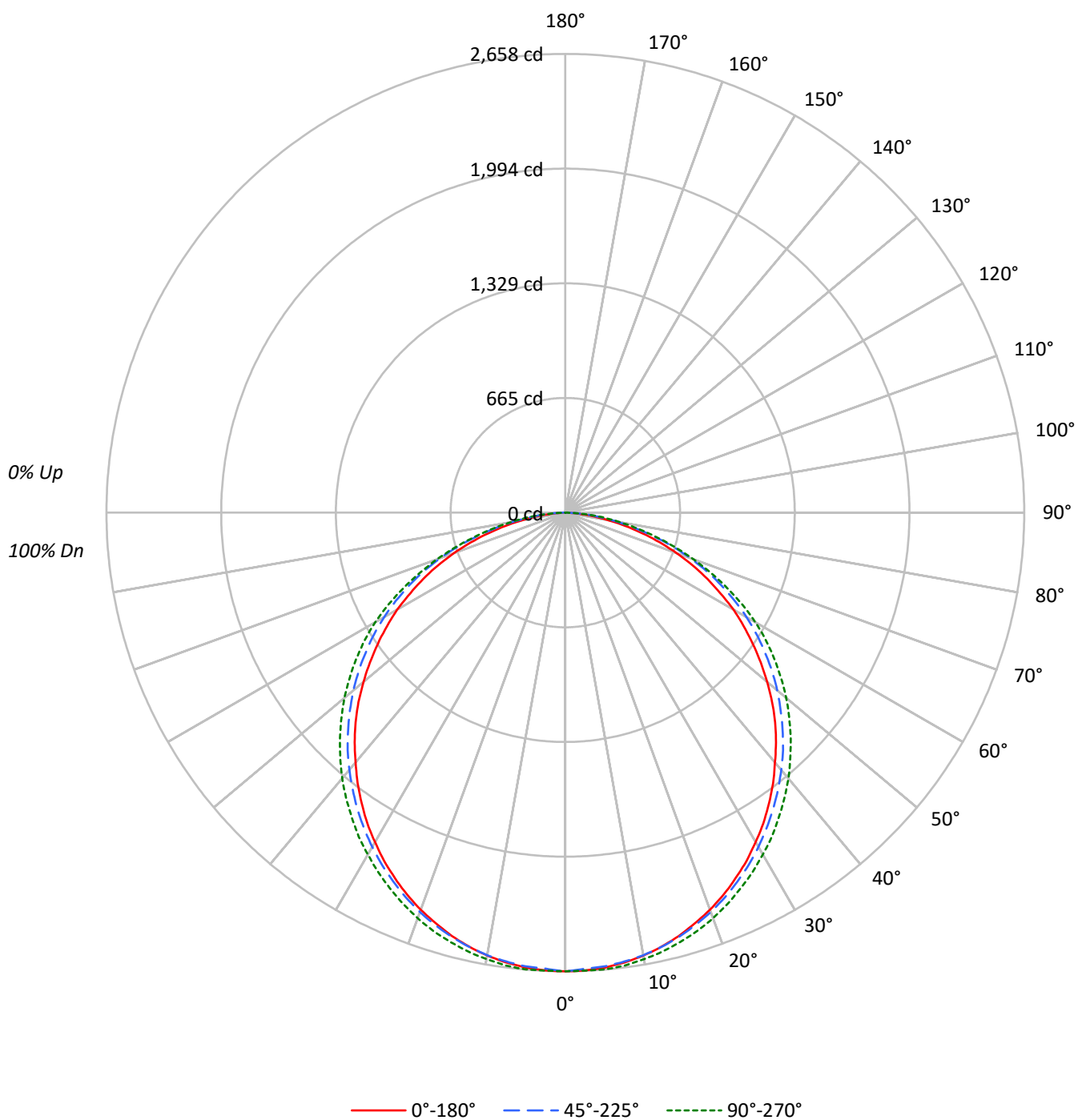
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7679.0 lumens
Efficiency: N/A
Efficacy: 134.2 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	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	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	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		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°	8956	8956	8956
5°	8950	8927	8987
10°	8917	8909	8989
15°	8860	8879	8983
20°	8782	8833	8968
25°	8685	8768	8932
30°	8577	8702	8900
35°	8459	8631	8868
40°	8310	8558	8845
45°	8191	8481	8797
50°	7996	8402	8756
55°	7791	8292	8688
60°	7581	8170	8572
65°	7240	7955	8246
70°	6756	7596	7781
75°	6020	6883	7085
80°	4915	5967	6268
85°	3251	4748	5088

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8797 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	3.3
10°-20°	721.1	9.4
20°-30°	1091.8	14.2
30°-40°	1317.9	17.2
40°-50°	1376.3	17.9
50°-60°	1259.0	16.4
60°-70°	973.3	12.7
70°-80°	551.0	7.2
80°-90°	136.9	1.8
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°	2064.7	26.9
0°-40°	3382.5	44.0
0°-60°	6017.8	78.4
0°-90°	7679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7679.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2658	2658	2658	2658	2658	
5°	2646	2665	2639	2641	2657	251
15°	2540	2562	2545	2557	2575	716
25°	2336	2366	2358	2380	2402	1077
35°	2056	2085	2098	2134	2156	1286
45°	1719	1752	1780	1825	1846	1324
55°	1326	1366	1411	1456	1479	1186
65°	908	946	998	1028	1034	896
75°	462	502	529	542	544	490
85°	84	97	123	128	132	108
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2658.0	2658.0	2658.0	2658.0	2658.0
2.5°	2654.7	2673.5	2644.8	2650.3	2655.8
5°	2645.9	2664.7	2639.2	2641.4	2656.9
7.5°	2629.3	2650.3	2623.7	2628.2	2647.0
10°	2606.0	2627.1	2603.8	2608.3	2627.1
12.5°	2576.2	2597.2	2577.3	2583.9	2604.9
15°	2539.7	2561.8	2545.2	2557.4	2575.1
17.5°	2495.4	2523.1	2505.4	2524.2	2541.9
20°	2449.0	2476.6	2463.3	2479.9	2501.0
22.5°	2395.9	2423.5	2413.6	2431.3	2454.5
25°	2336.1	2366.0	2358.3	2380.4	2402.5
27.5°	2274.2	2303.0	2300.7	2325.1	2348.3
30°	2204.5	2235.5	2236.6	2265.4	2287.5
32.5°	2134.8	2162.5	2169.1	2201.2	2226.6
35°	2056.3	2085.1	2098.3	2133.7	2155.8
37.5°	1976.7	2008.7	2023.1	2061.8	2085.1
40°	1889.3	1925.8	1945.7	1986.6	2010.9
42.5°	1806.3	1839.5	1866.0	1907.0	1929.1
45°	1718.9	1752.1	1779.8	1825.1	1846.1
47.5°	1624.9	1661.4	1691.3	1735.5	1758.7
50°	1525.4	1565.2	1602.8	1645.9	1670.3
52.5°	1426.9	1465.6	1508.8	1550.8	1575.1
55°	1326.2	1366.1	1411.4	1455.7	1478.9
57.5°	1224.5	1264.3	1314.1	1353.9	1378.2
60°	1124.9	1161.4	1212.3	1252.1	1272.0
62.5°	1012.1	1054.1	1106.1	1145.9	1157.0
65°	908.1	945.7	997.7	1027.6	1034.2
67.5°	797.5	835.1	887.1	903.7	913.7
70°	685.8	725.6	771.0	782.0	789.8
72.5°	573.0	613.9	649.3	660.4	667.0
75°	462.4	502.2	528.7	542.0	544.2
77.5°	355.1	391.6	415.9	431.4	431.4
80°	253.3	281.0	307.5	324.1	323.0
82.5°	161.5	182.5	210.2	222.3	230.1
85°	84.1	97.3	122.8	128.3	131.6
87.5°	26.5	34.3	44.2	36.5	35.4
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	20.20	21.80	22.12
	3H	21.07	22.56	21.45	22.89	23.25	21.70	23.19	22.07	23.52	23.88
	4H	21.69	23.10	22.09	23.45	23.82	22.37	23.78	22.77	24.13	24.50
	6H	22.10	23.40	22.51	23.77	24.16	22.86	24.16	23.27	24.53	24.92
	8H	22.20	23.45	22.62	23.84	24.23	23.01	24.26	23.44	24.65	25.05
	12H	22.25	23.44	22.68	23.82	24.25	23.11	24.31	23.54	24.69	25.12
4H	2H	20.04	21.44	20.43	21.79	22.17	20.46	21.87	20.86	22.21	22.59
	3H	22.03	23.21	22.44	23.61	24.01	22.54	23.72	22.95	24.11	24.51
	4H	22.78	23.85	23.21	24.26	24.70	23.34	24.41	23.77	24.82	25.25
	6H	23.30	24.23	23.75	24.67	25.13	23.95	24.89	24.41	25.33	25.78
	8H	23.43	24.31	23.89	24.75	25.21	24.16	25.03	24.61	25.47	25.94
	12H	23.51	24.30	23.99	24.77	25.24	24.29	25.08	24.77	25.56	26.02
8H	4H	23.13	24.01	23.59	24.45	24.91	23.63	24.50	24.09	24.94	25.41
	6H	23.77	24.49	24.26	24.98	25.45	24.36	25.09	24.85	25.57	26.05
	8H	23.96	24.61	24.47	25.12	25.60	24.63	25.28	25.14	25.79	26.28
	12H	24.08	24.66	24.59	25.15	25.71	24.84	25.42	25.34	25.91	26.47
12H	4H	23.17	23.96	23.65	24.44	24.90	23.65	24.44	24.13	24.91	25.38
	6H	23.83	24.48	24.34	24.99	25.47	24.40	25.05	24.91	25.56	26.05
	8H	24.08	24.66	24.58	25.15	25.71	24.73	25.31	25.23	25.80	26.36