

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: P1585899

Luminaire Tested: 14CZSP-SB-75-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585899
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-L845
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 7200 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

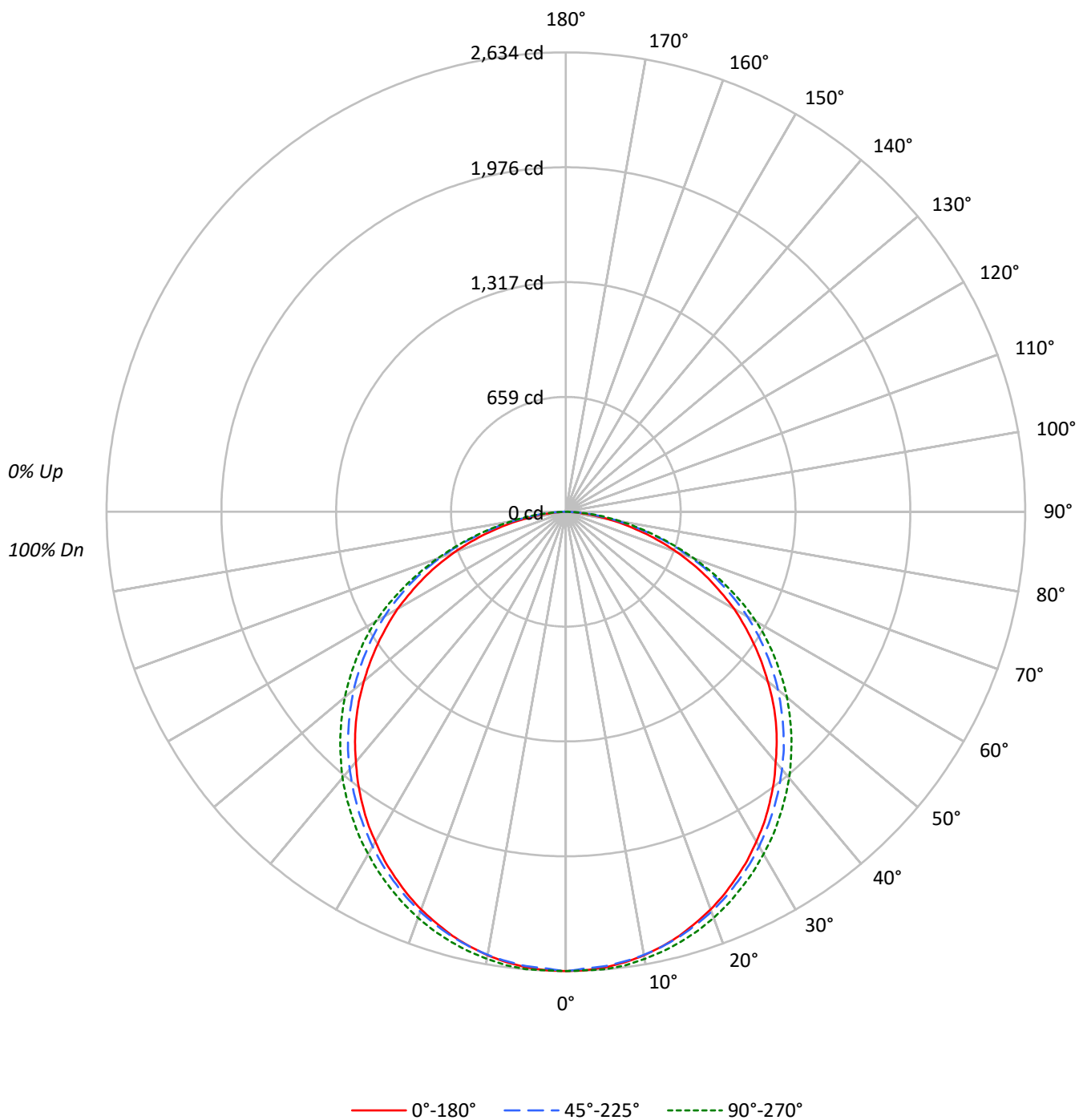
Lumens per Lamp: N/A
Luminaire Lumens: 7609.0 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8875	8875	8875
5°	8868	8846	8905
10°	8835	8828	8907
15°	8779	8798	8901
20°	8701	8753	8886
25°	8606	8688	8851
30°	8499	8623	8819
35°	8381	8553	8787
40°	8234	8480	8765
45°	8117	8404	8717
50°	7923	8326	8676
55°	7721	8216	8609
60°	7512	8096	8495
65°	7175	7882	8171
70°	6694	7526	7710
75°	5964	6821	7021
80°	4871	5913	6209
85°	3221	4705	5041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.5	3.3
10°-20°	714.6	9.4
20°-30°	1081.8	14.2
30°-40°	1305.8	17.2
40°-50°	1363.7	17.9
50°-60°	1247.5	16.4
60°-70°	964.4	12.7
70°-80°	546.0	7.2
80°-90°	135.6	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°	2045.8	26.9
0°-40°	3351.7	44.0
0°-60°	5962.9	78.4
0°-90°	7609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2622	2640	2615	2617	2633	249
15°	2516	2538	2522	2534	2552	710
25°	2315	2344	2337	2359	2381	1067
35°	2038	2066	2079	2114	2136	1275
45°	1703	1736	1764	1808	1829	1312
55°	1314	1354	1399	1442	1465	1175
65°	900	937	989	1018	1025	888
75°	458	498	524	537	539	486
85°	83	96	122	127	130	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2633.8	2633.8	2633.8	2633.8	2633.8
2.5°	2630.5	2649.1	2620.6	2626.1	2631.6
5°	2621.7	2640.4	2615.2	2617.4	2632.7
7.5°	2605.3	2626.1	2599.8	2604.2	2622.8
10°	2582.3	2603.1	2580.1	2584.5	2603.1
12.5°	2552.7	2573.5	2553.8	2560.4	2581.2
15°	2516.5	2538.4	2522.0	2534.1	2551.6
17.5°	2472.7	2500.1	2482.5	2501.2	2518.7
20°	2426.6	2454.0	2440.9	2457.3	2478.2
22.5°	2374.0	2401.4	2391.6	2409.1	2432.1
25°	2314.8	2344.4	2336.8	2358.7	2380.6
27.5°	2253.5	2282.0	2279.8	2303.9	2326.9
30°	2184.4	2215.1	2216.2	2244.7	2266.6
32.5°	2115.4	2142.8	2149.3	2181.1	2206.3
35°	2037.5	2066.0	2079.2	2114.3	2136.2
37.5°	1958.6	1990.4	2004.7	2043.0	2066.0
40°	1872.0	1908.2	1927.9	1968.5	1992.6
42.5°	1789.8	1822.7	1849.0	1889.6	1911.5
45°	1703.3	1736.1	1763.5	1808.5	1829.3
47.5°	1610.1	1646.3	1675.9	1719.7	1742.7
50°	1511.4	1550.9	1588.2	1630.9	1655.0
52.5°	1413.9	1452.3	1495.0	1536.7	1560.8
55°	1314.2	1353.6	1398.6	1442.4	1465.4
57.5°	1213.3	1252.8	1302.1	1341.6	1365.7
60°	1114.7	1150.8	1201.3	1240.7	1260.5
62.5°	1002.9	1044.5	1096.0	1135.5	1146.5
65°	899.9	937.1	988.6	1018.2	1024.8
67.5°	790.2	827.5	879.0	895.5	905.3
70°	679.5	719.0	763.9	774.9	782.6
72.5°	567.8	608.3	643.4	654.3	660.9
75°	458.1	497.6	523.9	537.1	539.3
77.5°	351.8	388.0	412.1	427.5	427.5
80°	251.0	278.4	304.7	321.1	320.0
82.5°	160.0	180.8	208.2	220.3	228.0
85°	83.3	96.5	121.7	127.1	130.4
87.5°	26.3	34.0	43.8	36.2	35.1
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	19.27	20.92	19.63	21.23	21.54	19.81	21.46	20.17	21.77	22.09
	3H	21.04	22.53	21.41	22.86	23.22	21.67	23.16	22.04	23.49	23.85
	4H	21.66	23.07	22.06	23.42	23.79	22.34	23.75	22.74	24.09	24.47
	6H	22.07	23.37	22.48	23.74	24.13	22.82	24.13	23.23	24.49	24.88
	8H	22.17	23.41	22.59	23.80	24.20	22.98	24.23	23.40	24.62	25.01
	12H	22.22	23.41	22.64	23.79	24.22	23.08	24.27	23.51	24.66	25.08
4H	2H	20.00	21.41	20.40	21.76	22.13	20.43	21.83	20.82	22.18	22.56
	3H	22.00	23.18	22.41	23.57	23.97	22.50	23.69	22.91	24.08	24.48
	4H	22.75	23.82	23.18	24.23	24.66	23.31	24.37	23.74	24.79	25.22
	6H	23.26	24.20	23.72	24.64	25.09	23.92	24.86	24.37	25.30	25.75
	8H	23.40	24.28	23.86	24.72	25.18	24.12	25.00	24.58	25.44	25.90
	12H	23.48	24.26	23.96	24.74	25.21	24.26	25.05	24.74	25.52	25.99
8H	4H	23.10	23.98	23.56	24.42	24.88	23.60	24.47	24.05	24.91	25.38
	6H	23.73	24.46	24.23	24.95	25.42	24.33	25.06	24.82	25.54	26.02
	8H	23.93	24.58	24.44	25.09	25.57	24.60	25.25	25.11	25.76	26.24
	12H	24.05	24.63	24.56	25.12	25.68	24.81	25.38	25.31	25.87	26.43
12H	4H	23.14	23.93	23.62	24.40	24.87	23.62	24.41	24.10	24.88	25.35
	6H	23.80	24.45	24.31	24.96	25.44	24.37	25.02	24.88	25.53	26.01
	8H	24.05	24.62	24.55	25.11	25.67	24.70	25.27	25.20	25.76	26.32