

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: P1585855

Luminaire Tested: 14CZSP-SB-70-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585855
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-70-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 6700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

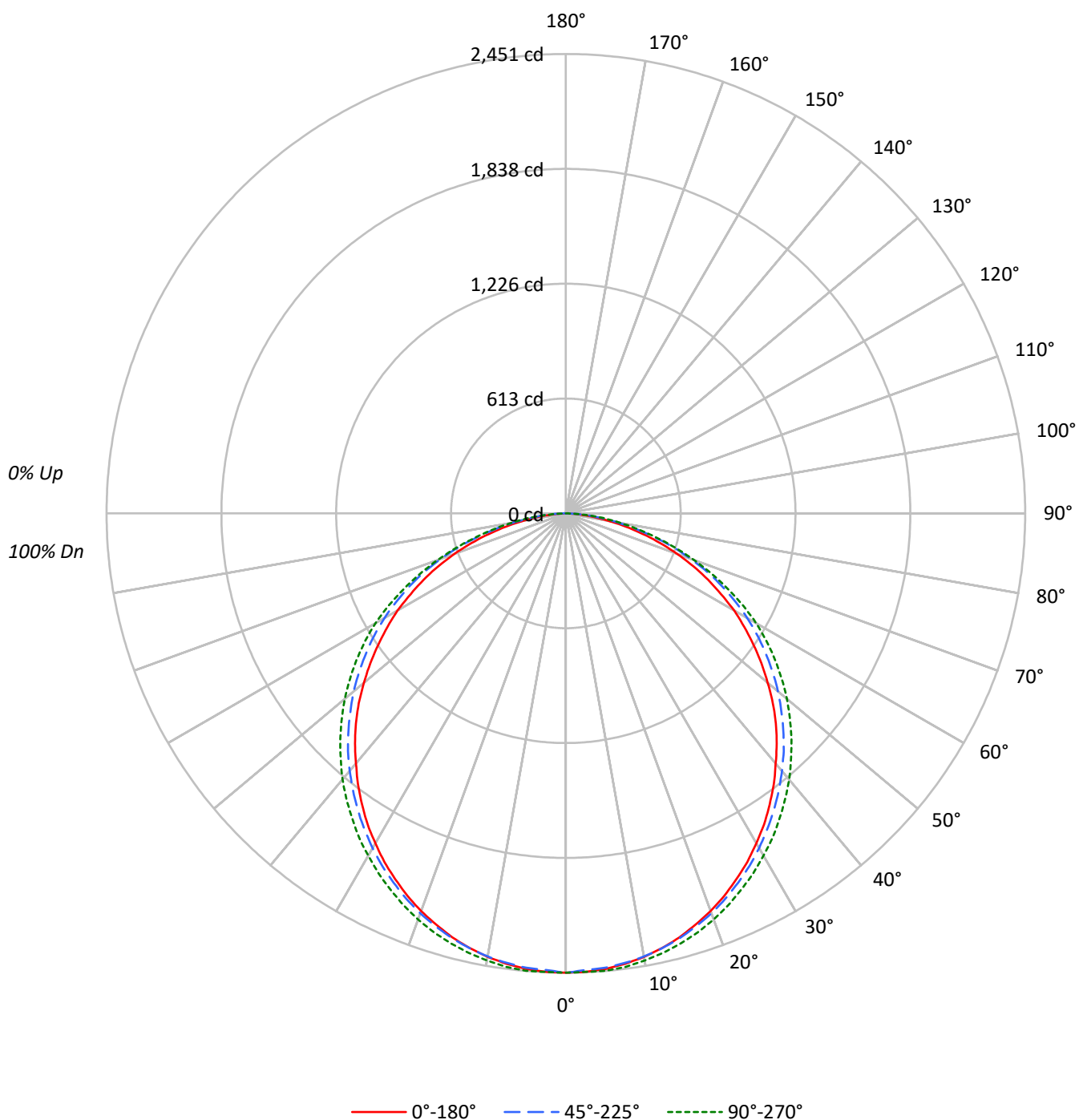
Lumens per Lamp: N/A
Luminaire Lumens: 7080.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 53.4
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°	8258	8258	8258
5°	8251	8231	8286
10°	8221	8214	8287
15°	8169	8186	8282
20°	8096	8144	8269
25°	8008	8084	8236
30°	7909	8023	8206
35°	7799	7958	8176
40°	7662	7891	8156
45°	7552	7819	8111
50°	7373	7747	8073
55°	7184	7645	8010
60°	6990	7533	7904
65°	6676	7334	7603
70°	6229	7003	7174
75°	5550	6347	6533
80°	4531	5501	5779
85°	2996	4376	4694

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8111 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	232.1	3.3
10°-20°	664.9	9.4
20°-30°	1006.6	14.2
30°-40°	1215.1	17.2
40°-50°	1268.9	17.9
50°-60°	1160.8	16.4
60°-70°	897.4	12.7
70°-80°	508.0	7.2
80°-90°	126.2	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°	1903.6	26.9
0°-40°	3118.7	44.0
0°-60°	5548.4	78.4
0°-90°	7080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7080.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2451	2451	2451	2451	2451	
5°	2440	2457	2433	2435	2450	232
15°	2342	2362	2347	2358	2374	660
25°	2154	2181	2174	2195	2215	993
35°	1896	1922	1935	1967	1988	1186
45°	1585	1615	1641	1683	1702	1221
55°	1223	1260	1301	1342	1364	1093
65°	837	872	920	947	954	826
75°	426	463	488	500	502	452
85°	78	90	113	118	121	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2450.7	2450.7	2450.7	2450.7	2450.7
2.5°	2447.6	2465.0	2438.4	2443.5	2448.6
5°	2439.5	2456.8	2433.4	2435.4	2449.7
7.5°	2424.2	2443.5	2419.1	2423.2	2440.5
10°	2402.8	2422.1	2400.7	2404.8	2422.1
12.5°	2375.2	2394.6	2376.2	2382.4	2401.7
15°	2341.6	2362.0	2346.7	2357.9	2374.2
17.5°	2300.8	2326.3	2309.9	2327.3	2343.6
20°	2257.9	2283.4	2271.2	2286.5	2305.9
22.5°	2209.0	2234.5	2225.3	2241.6	2263.0
25°	2153.9	2181.4	2174.3	2194.7	2215.1
27.5°	2096.8	2123.3	2121.3	2143.7	2165.1
30°	2032.6	2061.1	2062.1	2088.6	2109.0
32.5°	1968.3	1993.8	1999.9	2029.5	2052.9
35°	1895.9	1922.4	1934.6	1967.3	1987.7
37.5°	1822.5	1852.0	1865.3	1901.0	1922.4
40°	1741.9	1775.6	1793.9	1831.6	1854.1
42.5°	1665.4	1696.0	1720.5	1758.2	1778.6
45°	1584.8	1615.4	1640.9	1682.7	1702.1
47.5°	1498.2	1531.8	1559.3	1600.1	1621.6
50°	1406.4	1443.1	1477.8	1517.5	1540.0
52.5°	1315.6	1351.3	1391.1	1429.8	1452.3
55°	1222.8	1259.5	1301.3	1342.1	1363.5
57.5°	1129.0	1165.7	1211.6	1248.3	1270.7
60°	1037.2	1070.8	1117.8	1154.5	1172.8
62.5°	933.2	971.9	1019.8	1056.6	1066.8
65°	837.3	872.0	919.9	947.4	953.6
67.5°	735.3	770.0	817.9	833.2	842.4
70°	632.3	669.0	710.8	721.0	728.2
72.5°	528.3	566.0	598.6	608.8	615.0
75°	426.3	463.0	487.5	499.7	501.8
77.5°	327.4	361.0	383.5	397.7	397.7
80°	233.5	259.0	283.5	298.8	297.8
82.5°	148.9	168.3	193.8	205.0	212.1
85°	77.5	89.7	113.2	118.3	121.4
87.5°	24.5	31.6	40.8	33.7	32.6
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	19.01	20.67	19.38	20.98	21.29	19.56	21.21	19.92	21.52	21.83
	3H	20.79	22.28	21.16	22.61	22.97	21.42	22.91	21.79	23.24	23.60
	4H	21.41	22.82	21.81	23.17	23.54	22.09	23.50	22.49	23.84	24.22
	6H	21.82	23.12	22.23	23.49	23.88	22.57	23.88	22.98	24.24	24.63
	8H	21.92	23.16	22.34	23.55	23.95	22.73	23.98	23.15	24.37	24.76
	12H	21.97	23.16	22.39	23.54	23.97	22.83	24.02	23.26	24.40	24.83
4H	2H	19.75	21.16	20.15	21.51	21.88	20.18	21.58	20.57	21.93	22.31
	3H	21.75	22.93	22.16	23.32	23.72	22.25	23.44	22.66	23.83	24.23
	4H	22.50	23.56	22.93	23.98	24.41	23.05	24.12	23.49	24.54	24.97
	6H	23.01	23.95	23.47	24.39	24.84	23.67	24.60	24.12	25.04	25.50
	8H	23.15	24.02	23.61	24.47	24.93	23.87	24.75	24.33	25.19	25.65
	12H	23.23	24.01	23.71	24.49	24.96	24.01	24.80	24.49	25.27	25.74
8H	4H	22.85	23.73	23.31	24.17	24.63	23.34	24.22	23.80	24.66	25.13
	6H	23.48	24.21	23.98	24.70	25.17	24.08	24.80	24.57	25.29	25.77
	8H	23.68	24.33	24.19	24.83	25.32	24.35	25.00	24.86	25.51	25.99
	12H	23.80	24.38	24.31	24.87	25.43	24.56	25.13	25.06	25.62	26.18
12H	4H	22.89	23.68	23.37	24.15	24.62	23.37	24.16	23.85	24.63	25.10
	6H	23.55	24.20	24.06	24.71	25.19	24.12	24.77	24.63	25.28	25.76
	8H	23.80	24.37	24.30	24.86	25.42	24.45	25.02	24.95	25.51	26.07