

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: P1585860

Luminaire Tested: 14CZSP-SB-70-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585860
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-70-L850-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

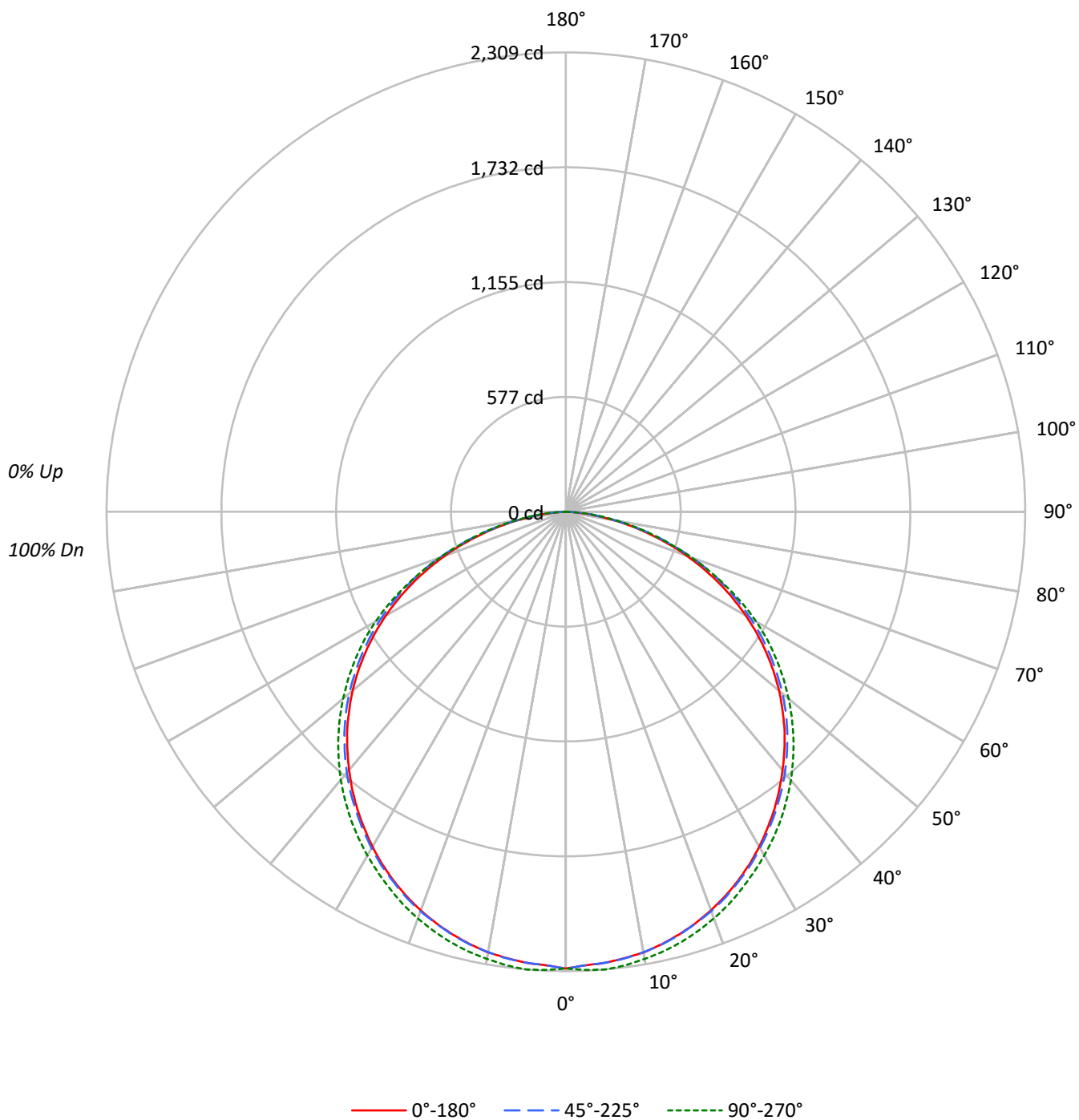
Lumens per Lamp: N/A
Luminaire Lumens: 6775.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7736	7736	7736
5°	7699	7695	7811
10°	7695	7692	7809
15°	7672	7679	7813
20°	7648	7663	7801
25°	7610	7629	7776
30°	7564	7597	7762
35°	7515	7562	7758
40°	7456	7534	7744
45°	7411	7504	7712
50°	7336	7451	7662
55°	7222	7356	7588
60°	7047	7229	7453
65°	6783	7039	7114
70°	6377	6674	6633
75°	5727	5969	6010
80°	4731	4971	5233
85°	3170	3688	3889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	3.2
10°-20°	625.4	9.2
20°-30°	952.4	14.1
30°-40°	1159.1	17.1
40°-50°	1222.0	18.0
50°-60°	1125.5	16.6
60°-70°	869.2	12.8
70°-80°	486.4	7.2
80°-90°	117.2	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°	1795.5	26.5
0°-40°	2954.6	43.6
0°-60°	5302.1	78.3
0°-90°	6775.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6775.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2296	2296	2296	2296	2296	
5°	2276	2308	2275	2278	2309	216
15°	2199	2229	2201	2214	2240	621
25°	2047	2076	2052	2066	2091	943
35°	1827	1854	1838	1861	1886	1143
45°	1555	1577	1575	1599	1618	1198
55°	1229	1250	1252	1278	1292	1097
65°	851	876	883	891	892	840
75°	440	467	458	458	462	466
85°	82	90	95	107	101	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2295.8	2295.8	2295.8	2295.8	2295.8
2.5°	2281.3	2314.5	2281.3	2286.5	2305.1
5°	2276.1	2308.2	2275.1	2278.2	2309.3
7.5°	2262.6	2295.8	2264.7	2268.8	2298.9
10°	2249.1	2279.2	2248.1	2253.3	2282.3
12.5°	2226.3	2257.4	2228.4	2234.6	2263.6
15°	2199.3	2229.4	2201.4	2213.8	2239.8
17.5°	2168.2	2197.2	2170.3	2184.8	2209.7
20°	2132.9	2160.9	2137.1	2147.4	2175.5
22.5°	2091.4	2120.5	2097.7	2107.0	2137.1
25°	2046.8	2075.9	2052.0	2065.5	2091.4
27.5°	1998.1	2026.1	2005.3	2021.9	2044.7
30°	1944.1	1971.1	1952.4	1972.1	1994.9
32.5°	1886.0	1915.1	1896.4	1919.2	1942.0
35°	1826.9	1853.9	1838.3	1861.1	1886.0
37.5°	1762.6	1788.5	1777.1	1801.0	1823.8
40°	1695.1	1724.2	1712.8	1737.7	1760.5
42.5°	1625.6	1653.6	1644.3	1670.2	1689.9
45°	1555.1	1576.9	1574.8	1598.7	1618.4
47.5°	1477.3	1504.3	1500.1	1524.0	1541.6
50°	1399.5	1421.3	1421.3	1444.1	1461.7
52.5°	1315.4	1337.2	1337.2	1364.2	1378.7
55°	1229.3	1250.1	1252.2	1278.1	1291.6
57.5°	1138.0	1159.8	1164.0	1189.9	1202.4
60°	1045.7	1066.5	1072.7	1098.6	1105.9
62.5°	949.2	974.1	977.2	998.0	1002.1
65°	850.7	875.6	882.8	891.1	892.2
67.5°	750.1	776.0	783.2	783.2	783.2
70°	647.3	671.2	677.4	673.3	673.3
72.5°	543.6	569.5	566.4	562.3	564.4
75°	439.9	466.8	458.5	457.5	461.6
77.5°	340.3	366.2	352.7	361.0	362.1
80°	243.8	263.5	256.2	268.7	269.7
82.5°	156.6	169.1	171.2	181.5	178.4
85°	82.0	90.3	95.4	106.9	100.6
87.5°	25.9	34.2	31.1	36.3	28.0
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	19.14	20.80	19.51	21.11	21.43	19.36	21.01	19.72	21.33	21.64
	3H	20.96	22.46	21.34	22.79	23.15	21.16	22.66	21.54	22.98	23.34
	4H	21.61	23.02	22.01	23.37	23.74	21.80	23.21	22.20	23.56	23.93
	6H	22.04	23.35	22.45	23.71	24.10	22.25	23.56	22.66	23.92	24.31
	8H	22.15	23.40	22.57	23.79	24.19	22.38	23.63	22.81	24.02	24.42
	12H	22.20	23.40	22.63	23.78	24.21	22.46	23.66	22.89	24.04	24.47
4H	2H	19.82	21.23	20.22	21.58	21.96	19.99	21.40	20.39	21.75	22.13
	3H	21.86	23.05	22.27	23.44	23.84	22.01	23.19	22.41	23.59	23.99
	4H	22.64	23.72	23.07	24.13	24.56	22.76	23.84	23.19	24.25	24.68
	6H	23.19	24.13	23.65	24.57	25.02	23.34	24.28	23.79	24.72	25.17
	8H	23.34	24.22	23.80	24.66	25.12	23.51	24.39	23.97	24.83	25.30
	12H	23.42	24.21	23.90	24.69	25.15	23.63	24.41	24.11	24.89	25.36
8H	4H	22.95	23.83	23.41	24.27	24.73	23.06	23.94	23.52	24.38	24.84
	6H	23.61	24.34	24.10	24.83	25.30	23.74	24.47	24.23	24.96	25.43
	8H	23.82	24.47	24.32	24.97	25.46	23.98	24.63	24.49	25.14	25.62
	12H	23.95	24.53	24.46	25.02	25.58	24.16	24.73	24.66	25.22	25.78
12H	4H	22.98	23.77	23.46	24.24	24.71	23.09	23.87	23.57	24.35	24.82
	6H	23.65	24.31	24.16	24.82	25.30	23.78	24.44	24.29	24.94	25.43
	8H	23.91	24.49	24.42	24.98	25.54	24.07	24.65	24.58	25.14	25.70