

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: P1585861

Luminaire Tested: 14CZSP-SB-70-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585861
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-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

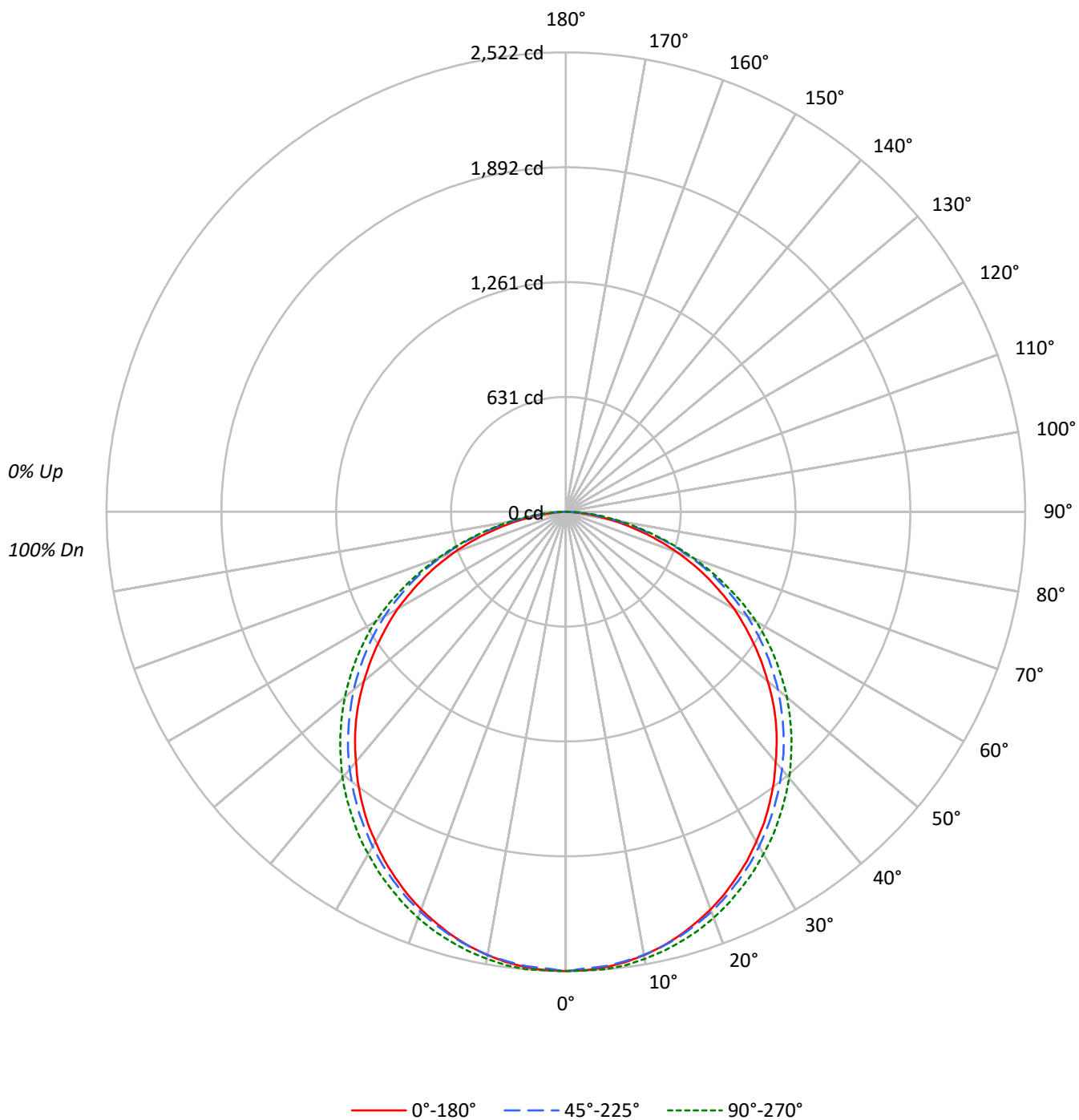
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7285.0 lumens
Efficiency: N/A
Efficacy: 136.4 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			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°	8497	8497	8497
5°	8490	8469	8526
10°	8459	8452	8528
15°	8405	8423	8522
20°	8331	8380	8508
25°	8240	8318	8474
30°	8137	8256	8444
35°	8025	8189	8413
40°	7884	8119	8392
45°	7771	8046	8346
50°	7586	7971	8307
55°	7392	7866	8242
60°	7192	7751	8133
65°	6869	7547	7823
70°	6410	7206	7382
75°	5710	6530	6722
80°	4663	5660	5946
85°	3085	4504	4829

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	3.3
10°-20°	684.1	9.4
20°-30°	1035.8	14.2
30°-40°	1250.2	17.2
40°-50°	1305.6	17.9
50°-60°	1194.4	16.4
60°-70°	923.4	12.7
70°-80°	522.8	7.2
80°-90°	129.9	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°	1958.7	26.9
0°-40°	3209.0	44.0
0°-60°	5709.0	78.4
0°-90°	7285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2522	2522	2522	2522	2522	
5°	2510	2528	2504	2506	2521	238
15°	2409	2430	2415	2426	2443	679
25°	2216	2245	2237	2258	2279	1021
35°	1951	1978	1991	2024	2045	1220
45°	1631	1662	1688	1732	1751	1256
55°	1258	1296	1339	1381	1403	1125
65°	862	897	946	975	981	850
75°	439	476	502	514	516	465
85°	80	92	116	122	125	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2521.6	2521.6	2521.6	2521.6	2521.6
2.5°	2518.5	2536.3	2509.1	2514.3	2519.5
5°	2510.1	2527.9	2503.8	2505.9	2520.6
7.5°	2494.4	2514.3	2489.1	2493.3	2511.2
10°	2472.3	2492.3	2470.2	2474.4	2492.3
12.5°	2444.0	2463.9	2445.0	2451.3	2471.3
15°	2409.4	2430.4	2414.6	2426.2	2442.9
17.5°	2367.4	2393.6	2376.8	2394.7	2411.5
20°	2323.3	2349.5	2337.0	2352.7	2372.6
22.5°	2272.9	2299.2	2289.7	2306.5	2328.6
25°	2216.3	2244.6	2237.3	2258.3	2279.2
27.5°	2157.5	2184.8	2182.7	2205.8	2227.8
30°	2091.4	2120.8	2121.8	2149.1	2170.1
32.5°	2025.3	2051.5	2057.8	2088.3	2112.4
35°	1950.8	1978.1	1990.7	2024.2	2045.2
37.5°	1875.2	1905.7	1919.3	1956.0	1978.1
40°	1792.3	1827.0	1845.8	1884.7	1907.8
42.5°	1713.6	1745.1	1770.3	1809.1	1830.1
45°	1630.7	1662.2	1688.4	1731.5	1751.4
47.5°	1541.5	1576.2	1604.5	1646.5	1668.5
50°	1447.1	1484.9	1520.5	1561.5	1584.6
52.5°	1353.7	1390.4	1431.3	1471.2	1494.3
55°	1258.2	1296.0	1339.0	1381.0	1403.0
57.5°	1161.7	1199.4	1246.7	1284.4	1307.5
60°	1067.2	1101.8	1150.1	1187.9	1206.8
62.5°	960.2	1000.1	1049.4	1087.2	1097.6
65°	861.5	897.2	946.5	974.9	981.2
67.5°	756.6	792.3	841.6	857.3	866.8
70°	650.6	688.4	731.4	741.9	749.3
72.5°	543.6	582.4	616.0	626.5	632.8
75°	438.6	476.4	501.6	514.2	516.3
77.5°	336.8	371.5	394.6	409.3	409.3
80°	240.3	266.5	291.7	307.5	306.4
82.5°	153.2	173.1	199.4	210.9	218.3
85°	79.8	92.3	116.5	121.7	124.9
87.5°	25.2	32.5	42.0	34.6	33.6
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	19.11	20.76	19.48	21.08	21.39	19.65	21.31	20.02	21.62	21.93
	3H	20.89	22.38	21.26	22.71	23.07	21.52	23.01	21.89	23.34	23.70
	4H	21.51	22.92	21.91	23.27	23.64	22.19	23.60	22.59	23.94	24.32
	6H	21.92	23.22	22.33	23.58	23.98	22.67	23.98	23.08	24.34	24.73
	8H	22.02	23.26	22.44	23.65	24.05	22.83	24.08	23.25	24.47	24.86
	12H	22.06	23.26	22.49	23.64	24.07	22.93	24.12	23.36	24.50	24.93
4H	2H	19.85	21.26	20.25	21.61	21.98	20.27	21.68	20.67	22.03	22.40
	3H	21.85	23.03	22.25	23.42	23.82	22.35	23.53	22.76	23.93	24.33
	4H	22.59	23.66	23.03	24.08	24.51	23.15	24.22	23.58	24.64	25.07
	6H	23.11	24.05	23.57	24.49	24.94	23.77	24.70	24.22	25.14	25.60
	8H	23.25	24.12	23.71	24.57	25.03	23.97	24.85	24.43	25.29	25.75
	12H	23.33	24.11	23.80	24.59	25.06	24.11	24.90	24.59	25.37	25.84
8H	4H	22.95	23.82	23.41	24.27	24.73	23.44	24.32	23.90	24.76	25.23
	6H	23.58	24.31	24.07	24.80	25.27	24.18	24.90	24.67	25.39	25.87
	8H	23.78	24.43	24.28	24.93	25.42	24.45	25.10	24.96	25.61	26.09
	12H	23.90	24.48	24.41	24.97	25.53	24.66	25.23	25.16	25.72	26.28
12H	4H	22.99	23.78	23.47	24.25	24.72	23.47	24.26	23.95	24.73	25.20
	6H	23.65	24.30	24.15	24.81	25.29	24.22	24.87	24.73	25.38	25.86
	8H	23.90	24.47	24.40	24.96	25.52	24.55	25.12	25.05	25.61	26.17