

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: P1585900

Luminaire Tested: 14CZSP-SB-75-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585900
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-75-L850-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 7200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

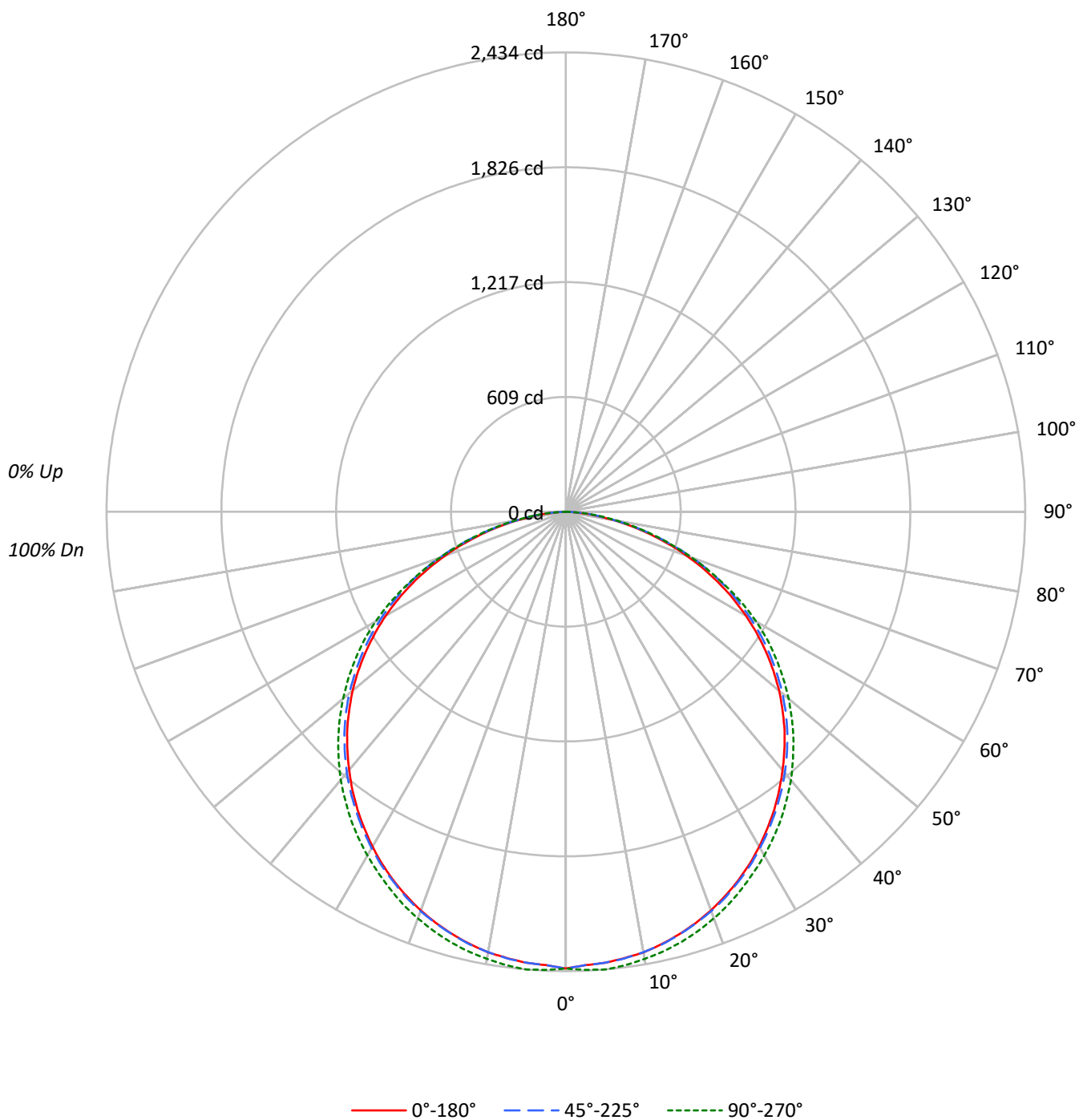
Lumens per Lamp: N/A
Luminaire Lumens: 7141.0 lumens
Efficiency: N/A
Efficacy: 124.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8154	8154	8154
5°	8114	8111	8233
10°	8111	8107	8231
15°	8087	8094	8236
20°	8061	8077	8222
25°	8021	8041	8196
30°	7973	8007	8181
35°	7921	7970	8177
40°	7859	7941	8162
45°	7811	7910	8129
50°	7733	7853	8077
55°	7612	7753	7998
60°	7428	7619	7855
65°	7149	7419	7498
70°	6722	7034	6992
75°	6036	6292	6335
80°	4987	5241	5517
85°	3340	3889	4102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8129 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	3.2
10°-20°	659.2	9.2
20°-30°	1003.9	14.1
30°-40°	1221.7	17.1
40°-50°	1288.0	18.0
50°-60°	1186.3	16.6
60°-70°	916.2	12.8
70°-80°	512.7	7.2
80°-90°	123.6	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°	1892.5	26.5
0°-40°	3114.2	43.6
0°-60°	5588.5	78.3
0°-90°	7141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2420	2420	2420	2420	2420	
5°	2399	2433	2398	2401	2434	228
15°	2318	2350	2320	2333	2361	654
25°	2157	2188	2163	2177	2204	994
35°	1926	1954	1938	1962	1988	1204
45°	1639	1662	1660	1685	1706	1263
55°	1296	1318	1320	1347	1361	1156
65°	897	923	930	939	940	886
75°	464	492	483	482	487	492
85°	86	95	101	113	106	111
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2419.8	2419.8	2419.8	2419.8	2419.8
2.5°	2404.5	2439.5	2404.5	2410.0	2429.7
5°	2399.0	2432.9	2398.0	2401.2	2434.0
7.5°	2384.8	2419.8	2387.0	2391.4	2423.1
10°	2370.6	2402.3	2369.5	2375.0	2405.6
12.5°	2346.6	2379.4	2348.7	2355.3	2385.9
15°	2318.1	2349.8	2320.3	2333.4	2360.8
17.5°	2285.3	2315.9	2287.5	2302.8	2329.1
20°	2248.1	2277.7	2252.5	2263.5	2293.0
22.5°	2204.4	2235.0	2211.0	2220.8	2252.5
25°	2157.4	2188.0	2162.9	2177.1	2204.4
27.5°	2106.0	2135.5	2113.7	2131.1	2155.2
30°	2049.1	2077.6	2057.9	2078.7	2102.7
32.5°	1987.9	2018.5	1998.8	2022.9	2047.0
35°	1925.6	1954.0	1937.6	1961.7	1987.9
37.5°	1857.8	1885.1	1873.1	1898.2	1922.3
40°	1786.7	1817.3	1805.3	1831.5	1855.6
42.5°	1713.4	1743.0	1733.1	1760.5	1781.2
45°	1639.1	1662.1	1659.9	1685.0	1705.8
47.5°	1557.1	1585.5	1581.1	1606.3	1624.9
50°	1475.1	1498.0	1498.0	1522.1	1540.7
52.5°	1386.5	1409.5	1409.5	1437.9	1453.2
55°	1295.7	1317.6	1319.8	1347.1	1361.4
57.5°	1199.5	1222.5	1226.9	1254.2	1267.3
60°	1102.2	1124.1	1130.6	1158.0	1165.6
62.5°	1000.5	1026.8	1030.0	1051.9	1056.3
65°	896.6	922.9	930.5	939.3	940.4
67.5°	790.6	817.9	825.6	825.6	825.6
70°	682.3	707.5	714.0	709.7	709.7
72.5°	573.0	600.3	597.0	592.7	594.8
75°	463.6	492.1	483.3	482.2	486.6
77.5°	358.7	386.0	371.8	380.5	381.6
80°	257.0	277.7	270.1	283.2	284.3
82.5°	165.1	178.2	180.4	191.4	188.1
85°	86.4	95.1	100.6	112.6	106.1
87.5°	27.3	36.1	32.8	38.3	29.5
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	19.33	20.98	19.69	21.30	21.61	19.54	21.20	19.91	21.51	21.83
	3H	21.15	22.65	21.52	22.97	23.33	21.34	22.84	21.72	23.17	23.53
	4H	21.79	23.21	22.19	23.55	23.93	21.98	23.39	22.38	23.74	24.11
	6H	22.22	23.53	22.63	23.89	24.29	22.43	23.74	22.84	24.11	24.50
	8H	22.33	23.58	22.75	23.97	24.37	22.56	23.82	22.99	24.20	24.60
	12H	22.38	23.58	22.81	23.96	24.39	22.64	23.84	23.07	24.22	24.65
4H	2H	20.00	21.42	20.40	21.76	22.14	20.17	21.59	20.57	21.93	22.31
	3H	22.05	23.23	22.45	23.63	24.03	22.19	23.37	22.60	23.77	24.17
	4H	22.83	23.90	23.26	24.31	24.75	22.95	24.02	23.38	24.43	24.87
	6H	23.38	24.31	23.83	24.75	25.21	23.52	24.46	23.97	24.90	25.35
	8H	23.52	24.40	23.98	24.84	25.31	23.70	24.57	24.15	25.01	25.48
	12H	23.60	24.39	24.08	24.87	25.34	23.81	24.60	24.29	25.07	25.54
8H	4H	23.13	24.01	23.59	24.45	24.92	23.24	24.12	23.70	24.56	25.02
	6H	23.79	24.52	24.29	25.01	25.48	23.92	24.65	24.42	25.14	25.61
	8H	24.00	24.65	24.51	25.16	25.64	24.16	24.82	24.67	25.32	25.81
	12H	24.13	24.71	24.64	25.20	25.76	24.34	24.92	24.84	25.41	25.97
12H	4H	23.16	23.95	23.64	24.43	24.90	23.27	24.06	23.75	24.53	25.00
	6H	23.84	24.49	24.35	25.00	25.48	23.96	24.62	24.47	25.12	25.61
	8H	24.09	24.67	24.60	25.16	25.72	24.25	24.83	24.76	25.32	25.88

END OF REPORT

FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE

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