

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: P1585898

Luminaire Tested: 14CZSP-SB-75-L845-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585898
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-L845-S
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 7200 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

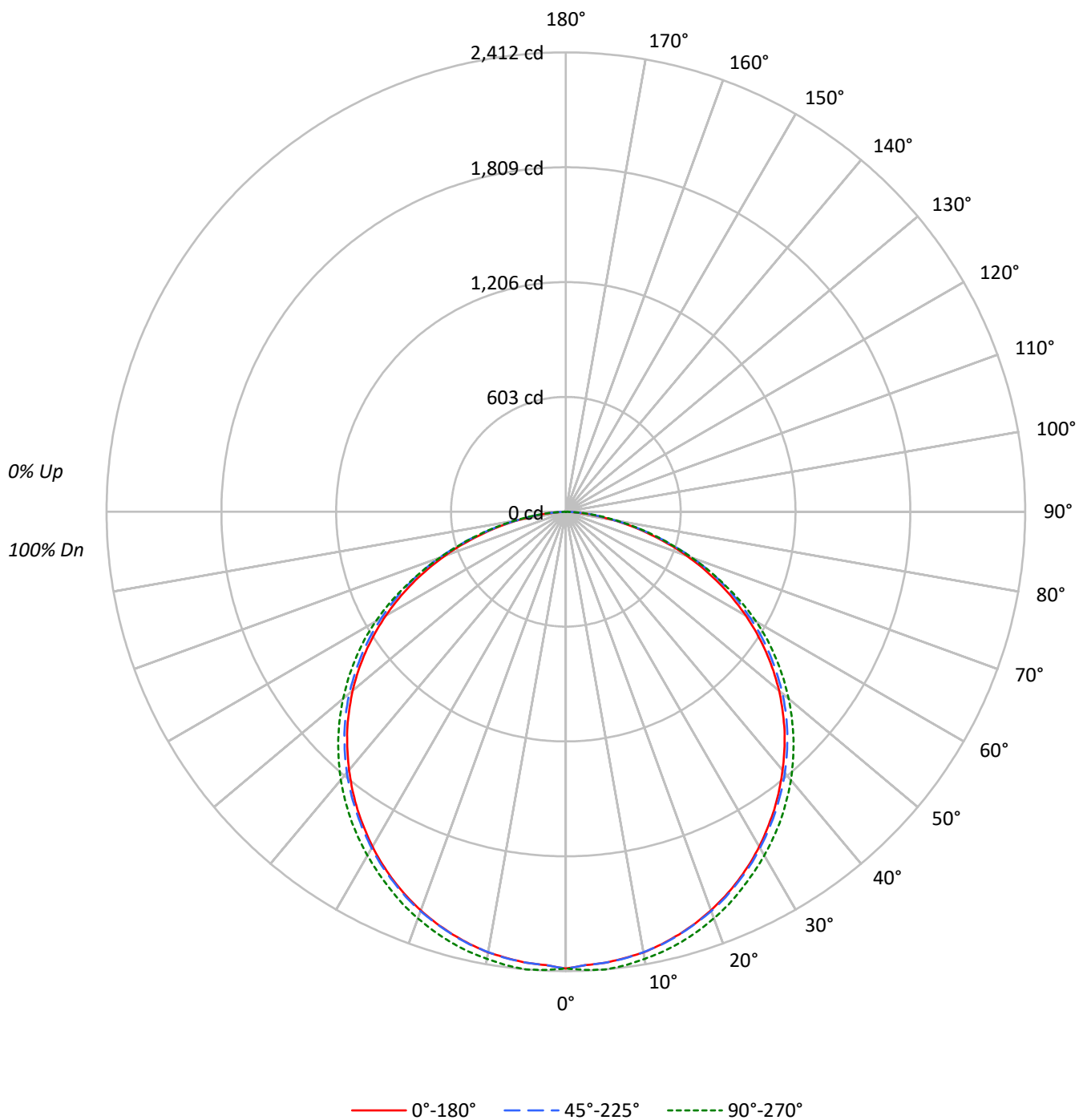
Lumens per Lamp: N/A
Luminaire Lumens: 7077.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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°	8081	8081	8081
5°	8042	8038	8159
10°	8039	8035	8157
15°	8014	8022	8162
20°	7989	8005	8148
25°	7949	7969	8123
30°	7902	7935	8108
35°	7850	7899	8104
40°	7789	7870	8089
45°	7741	7839	8056
50°	7663	7782	8004
55°	7544	7684	7926
60°	7361	7551	7785
65°	7085	7353	7430
70°	6662	6971	6929
75°	5982	6236	6278
80°	4942	5195	5468
85°	3309	3855	4063

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8056 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.3	3.2
10°-20°	653.3	9.2
20°-30°	994.9	14.1
30°-40°	1210.8	17.1
40°-50°	1276.5	18.0
50°-60°	1175.7	16.6
60°-70°	908.0	12.8
70°-80°	508.1	7.2
80°-90°	122.5	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°	1875.5	26.5
0°-40°	3086.3	43.6
0°-60°	5538.4	78.3
0°-90°	7077.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2398	2398	2398	2398	2398	
5°	2378	2411	2376	2380	2412	226
15°	2297	2329	2300	2312	2340	649
25°	2138	2168	2144	2158	2185	985
35°	1908	1936	1920	1944	1970	1194
45°	1624	1647	1645	1670	1690	1252
55°	1284	1306	1308	1335	1349	1146
65°	889	915	922	931	932	878
75°	460	488	479	478	482	487
85°	86	94	100	112	105	110
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2398.1	2398.1	2398.1	2398.1	2398.1
2.5°	2383.0	2417.6	2383.0	2388.4	2407.9
5°	2377.5	2411.1	2376.5	2379.7	2412.2
7.5°	2363.5	2398.1	2365.6	2370.0	2401.4
10°	2349.4	2380.8	2348.3	2353.7	2384.0
12.5°	2325.5	2358.0	2327.7	2334.2	2364.5
15°	2297.4	2328.8	2299.5	2312.5	2339.6
17.5°	2264.8	2295.2	2267.0	2282.2	2308.2
20°	2228.0	2257.3	2232.3	2243.2	2272.4
22.5°	2184.7	2215.0	2191.2	2200.9	2232.3
25°	2138.1	2168.4	2143.5	2157.6	2184.7
27.5°	2087.1	2116.4	2094.7	2112.0	2135.9
30°	2030.8	2059.0	2039.4	2060.0	2083.9
32.5°	1970.1	2000.4	1980.9	2004.8	2028.6
35°	1908.3	1936.5	1920.2	1944.1	1970.1
37.5°	1841.1	1868.2	1856.3	1881.2	1905.1
40°	1770.7	1801.0	1789.1	1815.1	1839.0
42.5°	1698.1	1727.4	1717.6	1744.7	1765.3
45°	1624.4	1647.2	1645.0	1669.9	1690.5
47.5°	1543.1	1571.3	1567.0	1591.9	1610.3
50°	1461.9	1484.6	1484.6	1508.5	1526.9
52.5°	1374.1	1396.8	1396.8	1425.0	1440.2
55°	1284.1	1305.8	1308.0	1335.1	1349.2
57.5°	1188.8	1211.5	1215.9	1243.0	1256.0
60°	1092.3	1114.0	1120.5	1147.6	1155.2
62.5°	991.5	1017.6	1020.8	1042.5	1046.8
65°	888.6	914.6	922.2	930.9	931.9
67.5°	783.5	810.6	818.2	818.2	818.2
70°	676.2	701.1	707.6	703.3	703.3
72.5°	567.8	594.9	591.7	587.3	589.5
75°	459.5	487.6	479.0	477.9	482.2
77.5°	355.4	382.5	368.4	377.1	378.2
80°	254.7	275.2	267.7	280.7	281.8
82.5°	163.6	176.6	178.8	189.6	186.4
85°	85.6	94.3	99.7	111.6	105.1
87.5°	27.1	35.8	32.5	37.9	29.3
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	19.29	20.95	19.66	21.26	21.58	19.51	21.17	19.88	21.48	21.79
	3H	21.12	22.61	21.49	22.94	23.30	21.31	22.81	21.69	23.14	23.50
	4H	21.76	23.17	22.16	23.52	23.90	21.95	23.36	22.35	23.71	24.08
	6H	22.19	23.50	22.60	23.86	24.25	22.40	23.71	22.81	24.08	24.47
	8H	22.30	23.55	22.72	23.94	24.34	22.53	23.79	22.96	24.17	24.57
	12H	22.35	23.55	22.78	23.93	24.36	22.61	23.81	23.04	24.19	24.62
4H	2H	19.97	21.39	20.37	21.73	22.11	20.14	21.56	20.54	21.90	22.28
	3H	22.01	23.20	22.42	23.60	24.00	22.16	23.34	22.57	23.74	24.14
	4H	22.79	23.87	23.23	24.28	24.71	22.92	23.99	23.35	24.40	24.84
	6H	23.34	24.28	23.80	24.72	25.18	23.49	24.43	23.94	24.87	25.32
	8H	23.49	24.37	23.95	24.81	25.27	23.66	24.54	24.12	24.98	25.45
	12H	23.57	24.36	24.05	24.84	25.31	23.78	24.57	24.26	25.04	25.51
8H	4H	23.10	23.98	23.56	24.42	24.89	23.21	24.09	23.67	24.53	24.99
	6H	23.76	24.49	24.25	24.98	25.45	23.89	24.62	24.38	25.11	25.58
	8H	23.97	24.62	24.47	25.13	25.61	24.13	24.78	24.64	25.29	25.77
	12H	24.10	24.68	24.61	25.17	25.73	24.31	24.88	24.81	25.37	25.93
12H	4H	23.13	23.92	23.61	24.40	24.86	23.24	24.03	23.72	24.50	24.97
	6H	23.81	24.46	24.31	24.97	25.45	23.93	24.59	24.44	25.09	25.58
	8H	24.06	24.64	24.57	25.13	25.69	24.22	24.80	24.73	25.29	25.85