

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: P1589921

Luminaire Tested: 24CZSP-SB-62-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-SB-62-L850
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 5500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

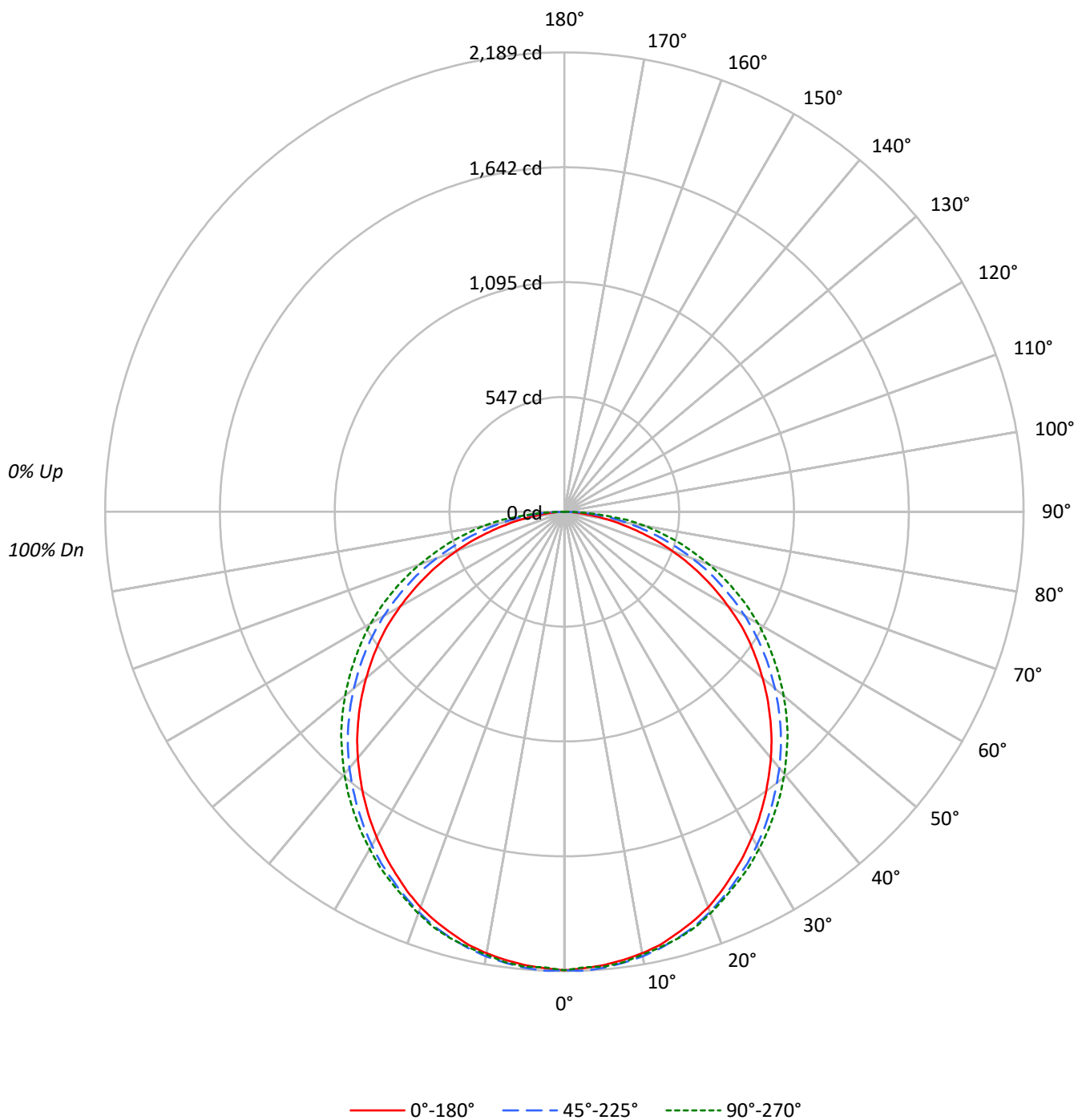
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6376.0 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 44.5
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: 28.75 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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3346	3346	3346
5°	3334	3353	3345
10°	3322	3346	3333
15°	3297	3332	3336
20°	3268	3308	3319
25°	3216	3273	3295
30°	3165	3246	3282
35°	3114	3215	3270
40°	3062	3186	3262
45°	3005	3157	3259
50°	2939	3122	3251
55°	2872	3088	3250
60°	2766	3042	3270
65°	2636	2983	3272
70°	2459	2901	3282
75°	2188	2795	3338
80°	1798	2678	3464
85°	1186	2513	3130

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3547 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	3.2
10°-20°	591.6	9.3
20°-30°	891.6	14.0
30°-40°	1073.7	16.8
40°-50°	1121.8	17.6
50°-60°	1030.6	16.2
60°-70°	811.6	12.7
70°-80°	497.6	7.8
80°-90°	150.9	2.4
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°	1689.9	26.5
0°-40°	2763.6	43.3
0°-60°	4916.0	77.1
0°-90°	6376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2185	2185	2185	2185	2185	
5°	2169	2173	2181	2178	2175	206
15°	2080	2088	2101	2109	2104	587
25°	1903	1915	1936	1957	1950	877
35°	1665	1687	1719	1750	1749	1042
45°	1387	1417	1457	1498	1505	1070
55°	1076	1107	1156	1206	1217	960
65°	727	765	823	878	903	719
75°	370	413	472	529	564	393
85°	68	100	143	159	178	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2184.8	2184.8	2184.8	2184.8	2184.8
2.5°	2176.7	2182.1	2188.8	2178.1	2172.7
5°	2168.6	2172.7	2180.8	2178.1	2175.4
7.5°	2153.8	2156.5	2167.3	2167.3	2164.6
10°	2136.2	2141.6	2151.1	2149.7	2143.0
12.5°	2113.3	2117.3	2128.1	2128.1	2124.1
15°	2079.5	2087.6	2101.1	2109.2	2103.8
17.5°	2044.5	2052.6	2070.1	2078.2	2075.5
20°	2005.3	2012.1	2029.6	2041.8	2036.4
22.5°	1956.7	1964.8	1985.1	1998.6	1993.2
25°	1902.8	1914.9	1936.5	1956.7	1950.0
27.5°	1848.8	1862.3	1889.3	1909.5	1906.8
30°	1789.4	1806.9	1835.3	1860.9	1855.5
32.5°	1728.7	1748.9	1778.6	1805.6	1804.2
35°	1665.3	1686.8	1719.2	1750.3	1748.9
37.5°	1597.8	1623.4	1657.2	1690.9	1692.2
40°	1531.7	1555.9	1593.7	1630.2	1631.5
42.5°	1461.5	1487.1	1527.6	1565.4	1566.7
45°	1387.3	1416.9	1457.4	1497.9	1504.7
47.5°	1311.7	1342.7	1384.6	1427.7	1435.8
50°	1233.4	1265.8	1310.3	1356.2	1364.3
52.5°	1153.8	1187.5	1233.4	1279.3	1291.4
55°	1075.5	1106.6	1156.5	1206.4	1217.2
57.5°	993.2	1021.6	1075.5	1128.2	1141.7
60°	902.8	937.9	993.2	1045.8	1067.4
62.5°	815.1	852.9	909.5	962.2	986.5
65°	727.4	765.2	823.2	878.5	902.8
67.5°	638.3	677.4	739.5	792.1	819.1
70°	549.2	588.4	647.7	704.4	732.8
72.5°	460.2	502.0	560.0	618.1	646.4
75°	369.8	412.9	472.3	529.0	564.1
77.5°	284.7	326.6	385.9	444.0	473.7
80°	203.8	245.6	303.6	361.7	392.7
82.5°	129.5	168.7	225.4	273.9	302.3
85°	67.5	99.9	143.0	159.2	178.1
87.5°	20.2	39.1	55.3	62.1	76.9
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	15.7	17.4	16.1	17.7	18.0	16.5	18.1	16.8	18.4	18.7
	3H	17.5	19.0	17.8	19.3	19.7	18.6	20.1	18.9	20.4	20.7
	4H	18.1	19.5	18.5	19.9	20.2	19.4	20.9	19.8	21.2	21.6
	6H	18.5	19.8	18.9	20.2	20.6	20.2	21.5	20.6	21.9	22.3
	8H	18.6	19.9	19.0	20.3	20.7	20.5	21.8	20.9	22.2	22.6
	12H	18.7	19.9	19.1	20.3	20.7	20.7	21.9	21.2	22.3	22.7
4H	2H	16.5	17.9	16.9	18.3	18.6	17.1	18.5	17.5	18.8	19.2
	3H	18.5	19.7	18.9	20.1	20.5	19.4	20.6	19.8	21.0	21.4
	4H	19.2	20.3	19.7	20.7	21.2	20.4	21.5	20.9	21.9	22.4
	6H	19.8	20.7	20.2	21.2	21.6	21.4	22.3	21.8	22.7	23.2
	8H	19.9	20.8	20.4	21.2	21.7	21.7	22.6	22.2	23.1	23.5
	12H	20.0	20.8	20.5	21.3	21.7	22.0	22.8	22.5	23.3	23.8
8H	4H	19.7	20.6	20.1	21.0	21.5	20.7	21.6	21.2	22.1	22.5
	6H	20.4	21.1	20.8	21.6	22.1	21.8	22.6	22.3	23.0	23.5
	8H	20.6	21.2	21.1	21.8	22.2	22.3	23.0	22.8	23.5	24.0
	12H	20.7	21.3	21.2	21.8	22.4	22.7	23.3	23.2	23.8	24.3
12H	4H	19.8	20.6	20.2	21.0	21.5	20.8	21.6	21.2	22.0	22.5
	6H	20.5	21.2	21.0	21.6	22.2	21.9	22.5	22.4	23.0	23.5
	8H	20.8	21.4	21.3	21.9	22.4	22.4	23.0	22.9	23.5	24.1

(END OF REPORT)