

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: P1589913

Luminaire Tested: 24CZSP-SB-62-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589913
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-L830
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 5500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

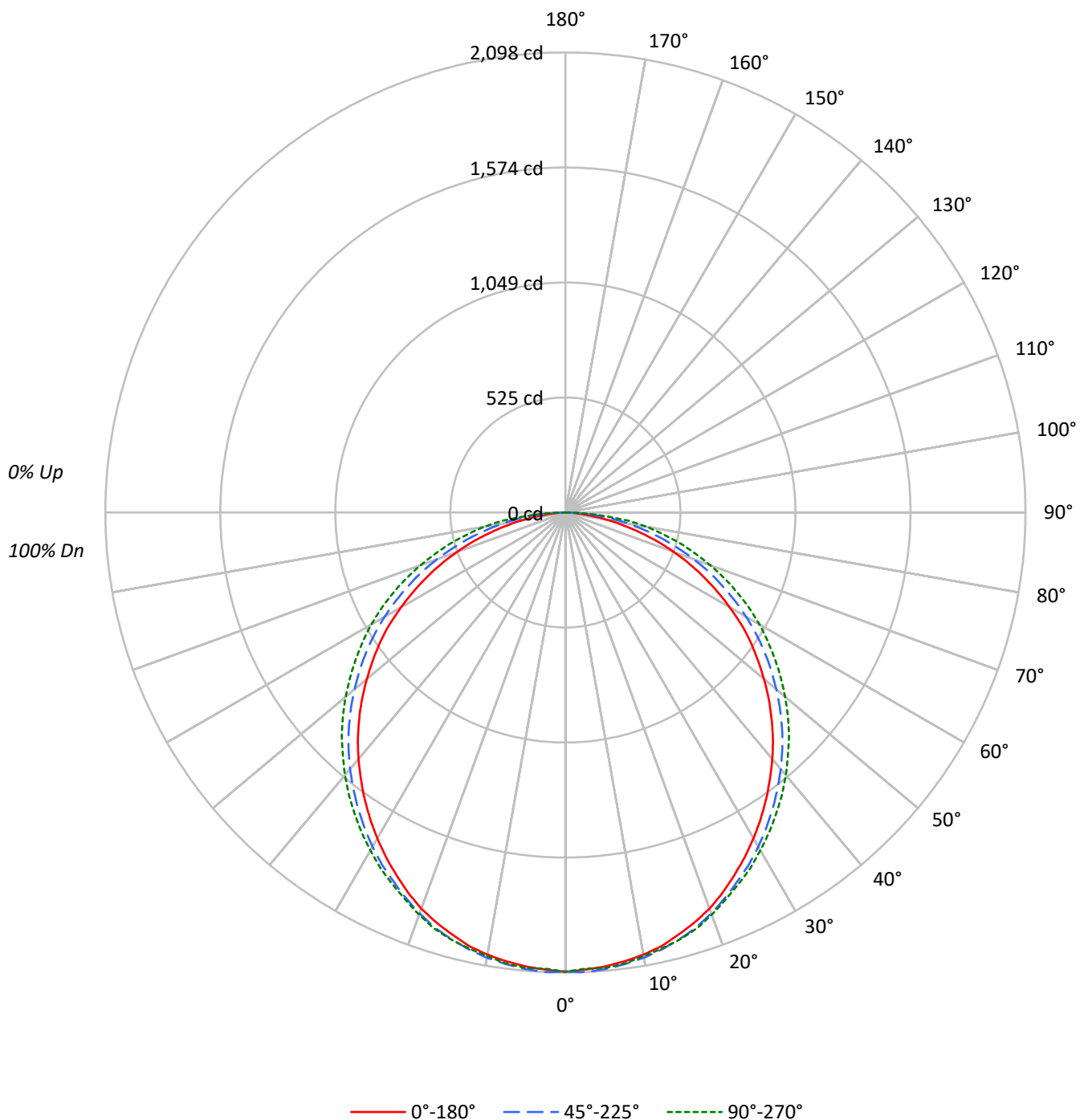
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6111.0 lumens
Efficiency: N/A
Efficacy: 137.3 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°	3207	3207	3207
5°	3196	3213	3205
10°	3184	3206	3194
15°	3160	3193	3197
20°	3133	3171	3181
25°	3082	3137	3158
30°	3033	3111	3145
35°	2984	3081	3134
40°	2935	3054	3126
45°	2880	3026	3124
50°	2817	2993	3116
55°	2753	2960	3115
60°	2651	2916	3134
65°	2526	2859	3136
70°	2357	2780	3145
75°	2097	2679	3199
80°	1723	2567	3320
85°	1137	2409	3000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3399 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.1	3.2
10°-20°	567.0	9.3
20°-30°	854.6	14.0
30°-40°	1029.1	16.8
40°-50°	1075.2	17.6
50°-60°	987.8	16.2
60°-70°	777.8	12.7
70°-80°	476.9	7.8
80°-90°	144.6	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°	1619.6	26.5
0°-40°	2648.7	43.3
0°-60°	4711.7	77.1
0°-90°	6111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2094	2094	2094	2094	2094	
5°	2078	2082	2090	2088	2085	197
15°	1993	2001	2014	2022	2016	562
25°	1824	1835	1856	1875	1869	841
35°	1596	1617	1648	1678	1676	998
45°	1330	1358	1397	1436	1442	1026
55°	1031	1061	1108	1156	1167	920
65°	697	733	789	842	865	689
75°	354	396	453	507	541	377
85°	65	96	137	153	171	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2094.0	2094.0	2094.0	2094.0	2094.0
2.5°	2086.2	2091.4	2097.9	2087.5	2082.4
5°	2078.5	2082.4	2090.1	2087.5	2084.9
7.5°	2064.2	2066.8	2077.2	2077.2	2074.6
10°	2047.4	2052.6	2061.7	2060.4	2053.9
12.5°	2025.4	2029.3	2039.7	2039.7	2035.8
15°	1993.1	2000.9	2013.8	2021.6	2016.4
17.5°	1959.5	1967.2	1984.1	1991.8	1989.2
20°	1922.0	1928.4	1945.3	1956.9	1951.7
22.5°	1875.4	1883.2	1902.6	1915.5	1910.3
25°	1823.7	1835.3	1856.0	1875.4	1868.9
27.5°	1771.9	1784.9	1810.7	1830.1	1827.6
30°	1715.0	1731.8	1759.0	1783.6	1778.4
32.5°	1656.8	1676.2	1704.7	1730.6	1729.3
35°	1596.0	1616.7	1647.8	1677.5	1676.2
37.5°	1531.4	1555.9	1588.3	1620.6	1621.9
40°	1468.0	1491.3	1527.5	1562.4	1563.7
42.5°	1400.7	1425.3	1464.1	1500.3	1501.6
45°	1329.6	1358.1	1396.9	1435.7	1442.1
47.5°	1257.2	1286.9	1327.0	1368.4	1376.2
50°	1182.2	1213.2	1255.9	1299.9	1307.6
52.5°	1105.8	1138.2	1182.2	1226.1	1237.8
55°	1030.8	1060.6	1108.4	1156.3	1166.6
57.5°	951.9	979.1	1030.8	1081.3	1094.2
60°	865.3	898.9	951.9	1002.4	1023.1
62.5°	781.2	817.4	871.7	922.2	945.5
65°	697.1	733.4	789.0	842.0	865.3
67.5°	611.8	649.3	708.8	759.2	785.1
70°	526.4	563.9	620.8	675.1	702.3
72.5°	441.0	481.1	536.8	592.4	619.5
75°	354.4	395.8	452.7	507.0	540.6
77.5°	272.9	313.0	369.9	425.5	454.0
80°	195.3	235.4	291.0	346.6	376.4
82.5°	124.2	161.7	216.0	262.6	289.7
85°	64.7	95.7	137.1	152.6	170.7
87.5°	19.4	37.5	53.0	59.5	73.7
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	15.6	17.2	15.9	17.5	17.9	16.3	18.0	16.7	18.3	18.6
	3H	17.3	18.8	17.7	19.2	19.5	18.4	19.9	18.8	20.2	20.6
	4H	17.9	19.4	18.3	19.7	20.1	19.3	20.7	19.7	21.1	21.4
	6H	18.4	19.7	18.8	20.0	20.4	20.1	21.4	20.5	21.7	22.1
	8H	18.5	19.7	18.9	20.1	20.5	20.4	21.6	20.8	22.0	22.4
	12H	18.5	19.7	18.9	20.1	20.5	20.6	21.8	21.0	22.2	22.6
4H	2H	16.3	17.8	16.7	18.1	18.5	16.9	18.3	17.3	18.7	19.1
	3H	18.3	19.5	18.7	19.9	20.3	19.2	20.4	19.6	20.8	21.2
	4H	19.1	20.2	19.5	20.6	21.0	20.3	21.4	20.7	21.8	22.2
	6H	19.6	20.6	20.1	21.0	21.5	21.2	22.2	21.7	22.6	23.1
	8H	19.8	20.7	20.2	21.1	21.6	21.6	22.5	22.0	22.9	23.4
	12H	19.8	20.7	20.3	21.1	21.6	21.9	22.7	22.3	23.1	23.6
8H	4H	19.5	20.4	20.0	20.9	21.3	20.6	21.5	21.0	21.9	22.4
	6H	20.2	21.0	20.7	21.4	21.9	21.7	22.4	22.2	22.9	23.4
	8H	20.4	21.1	20.9	21.6	22.1	22.1	22.8	22.7	23.3	23.8
	12H	20.6	21.2	21.1	21.7	22.2	22.5	23.1	23.0	23.6	24.2
12H	4H	19.6	20.4	20.1	20.9	21.4	20.6	21.4	21.1	21.9	22.3
	6H	20.4	21.0	20.9	21.5	22.0	21.7	22.4	22.2	22.9	23.4
	8H	20.6	21.2	21.1	21.7	22.3	22.3	22.9	22.8	23.3	23.9

(END OF REPORT)