

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: P1589915

Luminaire Tested: 24CZSP-SB-62-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589915
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-L835
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

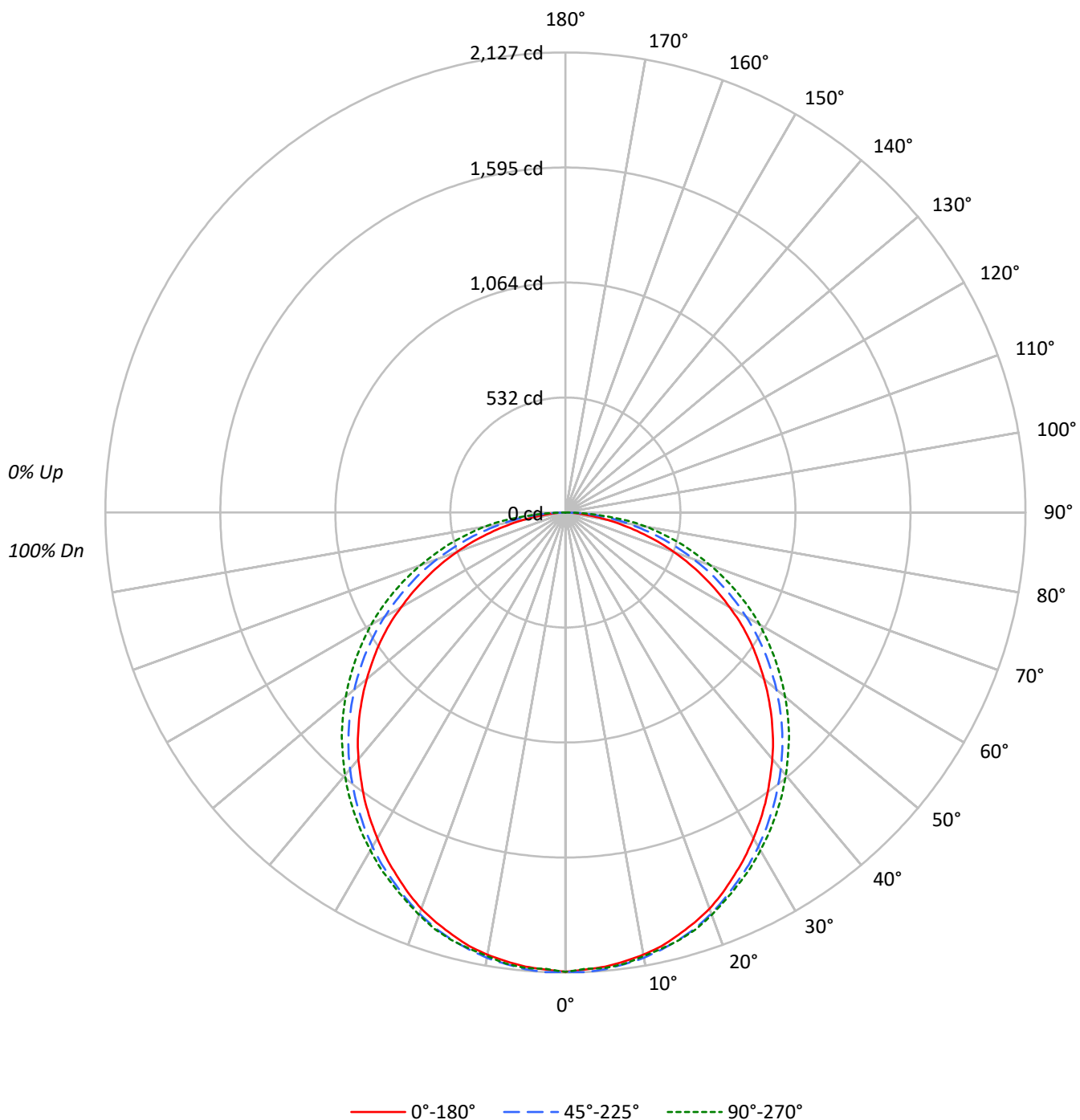
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6197.0 lumens
Efficiency: N/A
Efficacy: 139.3 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°	3252	3252	3252
5°	3241	3259	3251
10°	3229	3252	3239
15°	3205	3238	3242
20°	3177	3215	3226
25°	3125	3181	3203
30°	3076	3155	3189
35°	3026	3124	3178
40°	2977	3097	3170
45°	2920	3068	3168
50°	2856	3035	3160
55°	2791	3001	3159
60°	2688	2957	3178
65°	2562	2900	3180
70°	2390	2819	3189
75°	2127	2717	3244
80°	1747	2603	3367
85°	1153	2443	3042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3448 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.9	3.2
10°-20°	574.9	9.3
20°-30°	866.6	14.0
30°-40°	1043.6	16.8
40°-50°	1090.3	17.6
50°-60°	1001.7	16.2
60°-70°	788.8	12.7
70°-80°	483.6	7.8
80°-90°	146.6	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°	1642.4	26.5
0°-40°	2686.0	43.3
0°-60°	4778.0	77.1
0°-90°	6197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2124	2124	2124	2124	2124	
5°	2108	2112	2120	2117	2114	200
15°	2021	2029	2042	2050	2045	570
25°	1849	1861	1882	1902	1895	853
35°	1618	1640	1671	1701	1700	1012
45°	1348	1377	1416	1456	1462	1040
55°	1045	1076	1124	1173	1183	933
65°	707	744	800	854	878	699
75°	359	401	459	514	548	382
85°	66	97	139	155	173	84
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2123.5	2123.5	2123.5	2123.5	2123.5
2.5°	2115.6	2120.8	2127.4	2116.9	2111.7
5°	2107.7	2111.7	2119.5	2116.9	2114.3
7.5°	2093.3	2095.9	2106.4	2106.4	2103.8
10°	2076.2	2081.5	2090.7	2089.4	2082.8
12.5°	2053.9	2057.9	2068.4	2068.4	2064.4
15°	2021.2	2029.0	2042.1	2050.0	2044.8
17.5°	1987.1	1994.9	2012.0	2019.8	2017.2
20°	1949.0	1955.6	1972.6	1984.4	1979.2
22.5°	1901.8	1909.7	1929.3	1942.5	1937.2
25°	1849.3	1861.1	1882.1	1901.8	1895.2
27.5°	1796.9	1810.0	1836.2	1855.9	1853.3
30°	1739.2	1756.2	1783.8	1808.7	1803.4
32.5°	1680.1	1699.8	1728.7	1754.9	1753.6
35°	1618.5	1639.5	1671.0	1701.1	1699.8
37.5°	1552.9	1577.8	1610.6	1643.4	1644.7
40°	1488.7	1512.3	1549.0	1584.4	1585.7
42.5°	1420.5	1445.4	1484.7	1521.4	1522.8
45°	1348.3	1377.2	1416.5	1455.9	1462.4
47.5°	1274.9	1305.0	1345.7	1387.7	1395.5
50°	1198.8	1230.3	1273.6	1318.1	1326.0
52.5°	1121.4	1154.2	1198.8	1243.4	1255.2
55°	1045.3	1075.5	1124.0	1172.6	1183.1
57.5°	965.3	992.9	1045.3	1096.5	1109.6
60°	877.5	911.6	965.3	1016.5	1037.5
62.5°	792.2	828.9	884.0	935.2	958.8
65°	706.9	743.7	800.1	853.8	877.5
67.5°	620.4	658.4	718.8	769.9	796.1
70°	533.8	571.9	629.6	684.6	712.2
72.5°	447.3	487.9	544.3	600.7	628.3
75°	359.4	401.3	459.1	514.1	548.2
77.5°	276.7	317.4	375.1	431.5	460.4
80°	198.1	238.7	295.1	351.5	381.7
82.5°	125.9	163.9	219.0	266.3	293.8
85°	65.6	97.1	139.0	154.8	173.1
87.5°	19.7	38.0	53.8	60.3	74.8
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	17.3	16.0	17.6	17.9	16.4	18.0	16.7	18.3	18.6
	3H	17.4	18.9	17.8	19.2	19.6	18.5	20.0	18.8	20.3	20.6
	4H	18.0	19.4	18.4	19.8	20.1	19.3	20.8	19.7	21.1	21.5
	6H	18.4	19.7	18.8	20.1	20.5	20.1	21.4	20.5	21.8	22.2
	8H	18.5	19.8	18.9	20.2	20.6	20.4	21.7	20.8	22.1	22.5
	12H	18.6	19.8	19.0	20.2	20.6	20.6	21.8	21.1	22.2	22.6
4H	2H	16.4	17.8	16.8	18.2	18.5	17.0	18.4	17.4	18.7	19.1
	3H	18.4	19.6	18.8	20.0	20.4	19.3	20.5	19.7	20.9	21.3
	4H	19.1	20.2	19.6	20.6	21.1	20.3	21.4	20.8	21.8	22.3
	6H	19.7	20.6	20.1	21.1	21.5	21.3	22.2	21.7	22.6	23.1
	8H	19.8	20.7	20.3	21.1	21.6	21.6	22.5	22.1	23.0	23.4
	12H	19.9	20.7	20.4	21.2	21.6	21.9	22.7	22.4	23.2	23.7
8H	4H	19.6	20.5	20.0	20.9	21.4	20.6	21.5	21.1	22.0	22.4
	6H	20.3	21.0	20.8	21.5	22.0	21.7	22.5	22.2	22.9	23.4
	8H	20.5	21.1	21.0	21.7	22.1	22.2	22.9	22.7	23.4	23.9
	12H	20.6	21.2	21.1	21.7	22.3	22.6	23.2	23.1	23.7	24.2
12H	4H	19.7	20.5	20.1	20.9	21.4	20.7	21.5	21.1	21.9	22.4
	6H	20.4	21.1	20.9	21.5	22.1	21.8	22.4	22.3	22.9	23.4
	8H	20.7	21.3	21.2	21.8	22.3	22.3	22.9	22.8	23.4	24.0

(END OF REPORT)