

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: P1589943

Luminaire Tested: 24CZSP-SB-65-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589943
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-65-L930
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 6000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

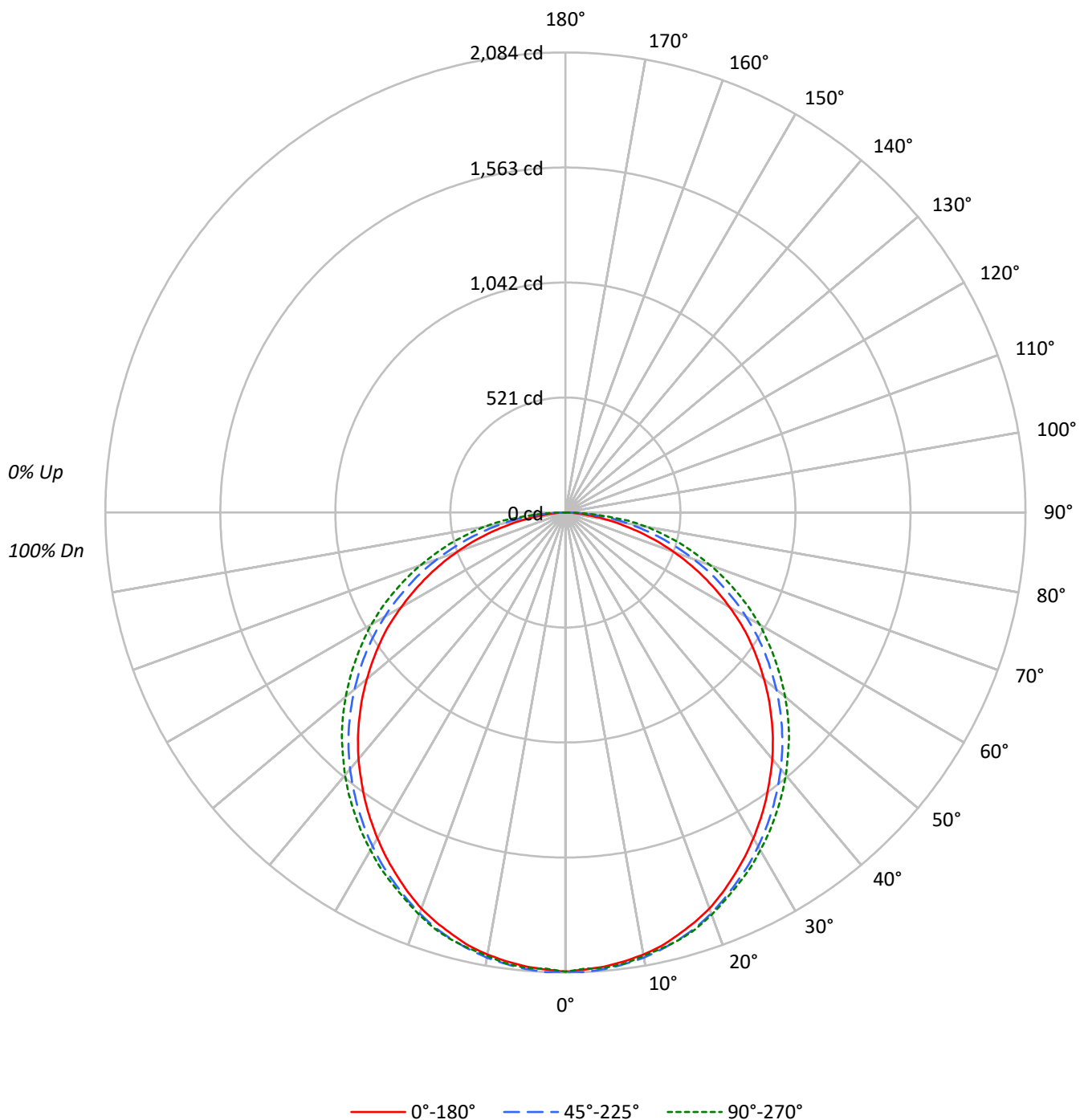
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6069.0 lumens
Efficiency: N/A
Efficacy: 126.7 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): 47.9
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
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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3185	3185	3185
5°	3174	3191	3183
10°	3162	3184	3172
15°	3139	3171	3175
20°	3111	3149	3159
25°	3061	3115	3137
30°	3012	3090	3124
35°	2964	3060	3113
40°	2915	3033	3105
45°	2860	3005	3102
50°	2797	2972	3094
55°	2734	2939	3094
60°	2632	2896	3112
65°	2509	2840	3114
70°	2341	2761	3124
75°	2083	2661	3177
80°	1711	2549	3297
85°	1128	2394	2980

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.7	3.2
10°-20°	563.1	9.3
20°-30°	848.7	14.0
30°-40°	1022.0	16.8
40°-50°	1067.8	17.6
50°-60°	981.0	16.2
60°-70°	772.5	12.7
70°-80°	473.6	7.8
80°-90°	143.6	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°	1608.5	26.5
0°-40°	2630.5	43.3
0°-60°	4679.3	77.1
0°-90°	6069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2080	2080	2080	2080	2080	
5°	2064	2068	2076	2073	2071	196
15°	1979	1987	2000	2008	2002	559
25°	1811	1823	1843	1862	1856	835
35°	1585	1606	1636	1666	1665	991
45°	1320	1349	1387	1426	1432	1018
55°	1024	1053	1101	1148	1159	913
65°	692	728	784	836	859	684
75°	352	393	450	504	537	374
85°	64	95	136	152	170	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2079.6	2079.6	2079.6	2079.6	2079.6
2.5°	2071.9	2077.0	2083.5	2073.2	2068.0
5°	2064.2	2068.0	2075.7	2073.2	2070.6
7.5°	2050.1	2052.6	2062.9	2062.9	2060.3
10°	2033.4	2038.5	2047.5	2046.2	2039.8
12.5°	2011.5	2015.4	2025.7	2025.7	2021.8
15°	1979.4	1987.1	2000.0	2007.7	2002.5
17.5°	1946.0	1953.7	1970.4	1978.1	1975.6
20°	1908.8	1915.2	1931.9	1943.4	1938.3
22.5°	1862.5	1870.2	1889.5	1902.3	1897.2
25°	1811.1	1822.7	1843.3	1862.5	1856.1
27.5°	1759.8	1772.6	1798.3	1817.6	1815.0
30°	1703.2	1719.9	1746.9	1771.3	1766.2
32.5°	1645.4	1664.7	1693.0	1718.7	1717.4
35°	1585.1	1605.6	1636.5	1666.0	1664.7
37.5°	1520.8	1545.3	1577.4	1609.5	1610.8
40°	1457.9	1481.0	1517.0	1551.7	1553.0
42.5°	1391.1	1415.5	1454.1	1490.0	1491.3
45°	1320.5	1348.7	1387.3	1425.8	1432.2
47.5°	1248.5	1278.1	1317.9	1359.0	1366.7
50°	1174.0	1204.9	1247.2	1290.9	1298.6
52.5°	1098.2	1130.4	1174.0	1217.7	1229.3
55°	1023.7	1053.3	1100.8	1148.3	1158.6
57.5°	945.4	972.4	1023.7	1073.8	1086.7
60°	859.3	892.7	945.4	995.5	1016.0
62.5°	775.8	811.8	865.8	915.8	939.0
65°	692.3	728.3	783.5	836.2	859.3
67.5°	607.6	644.8	703.9	754.0	779.7
70°	522.8	560.0	616.6	670.5	697.5
72.5°	438.0	477.8	533.1	588.3	615.3
75°	352.0	393.1	449.6	503.5	536.9
77.5°	271.0	310.8	367.4	422.6	450.9
80°	194.0	233.8	289.0	344.2	373.8
82.5°	123.3	160.6	214.5	260.8	287.7
85°	64.2	95.1	136.2	151.6	169.6
87.5°	19.3	37.3	52.7	59.1	73.2
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	15.5	17.2	15.9	17.5	17.8	16.3	17.9	16.6	18.3	18.6
	3H	17.3	18.8	17.7	19.1	19.5	18.4	19.9	18.8	20.2	20.6
	4H	17.9	19.3	18.3	19.7	20.1	19.3	20.7	19.7	21.0	21.4
	6H	18.3	19.7	18.7	20.0	20.4	20.0	21.4	20.4	21.7	22.1
	8H	18.4	19.7	18.9	20.1	20.5	20.3	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	22.1	22.6
4H	2H	16.3	17.7	16.7	18.1	18.5	16.9	18.3	17.3	18.7	19.0
	3H	18.3	19.5	18.7	19.9	20.3	19.2	20.4	19.6	20.8	21.2
	4H	19.1	20.1	19.5	20.6	21.0	20.3	21.3	20.7	21.8	22.2
	6H	19.6	20.5	20.0	21.0	21.4	21.2	22.1	21.6	22.6	23.0
	8H	19.7	20.6	20.2	21.1	21.5	21.6	22.5	22.0	22.9	23.4
	12H	19.8	20.6	20.3	21.1	21.6	21.8	22.6	22.3	23.1	23.6
8H	4H	19.5	20.4	20.0	20.8	21.3	20.6	21.4	21.0	21.9	22.3
	6H	20.2	20.9	20.7	21.4	21.9	21.6	22.4	22.1	22.9	23.3
	8H	20.4	21.1	20.9	21.6	22.1	22.1	22.8	22.6	23.3	23.8
	12H	20.6	21.1	21.1	21.6	22.2	22.5	23.1	23.0	23.6	24.1
12H	4H	19.6	20.4	20.1	20.9	21.3	20.6	21.4	21.1	21.9	22.3
	6H	20.3	21.0	20.8	21.5	22.0	21.7	22.4	22.2	22.8	23.4
	8H	20.6	21.2	21.1	21.7	22.2	22.2	22.8	22.7	23.3	23.9

(END OF REPORT)