

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: P1590007

Luminaire Tested: 24CZSP-SB-75-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590007
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-75-L940
Description: 2x4 CZSP LED Luminaire, 4000K CCT and 7500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

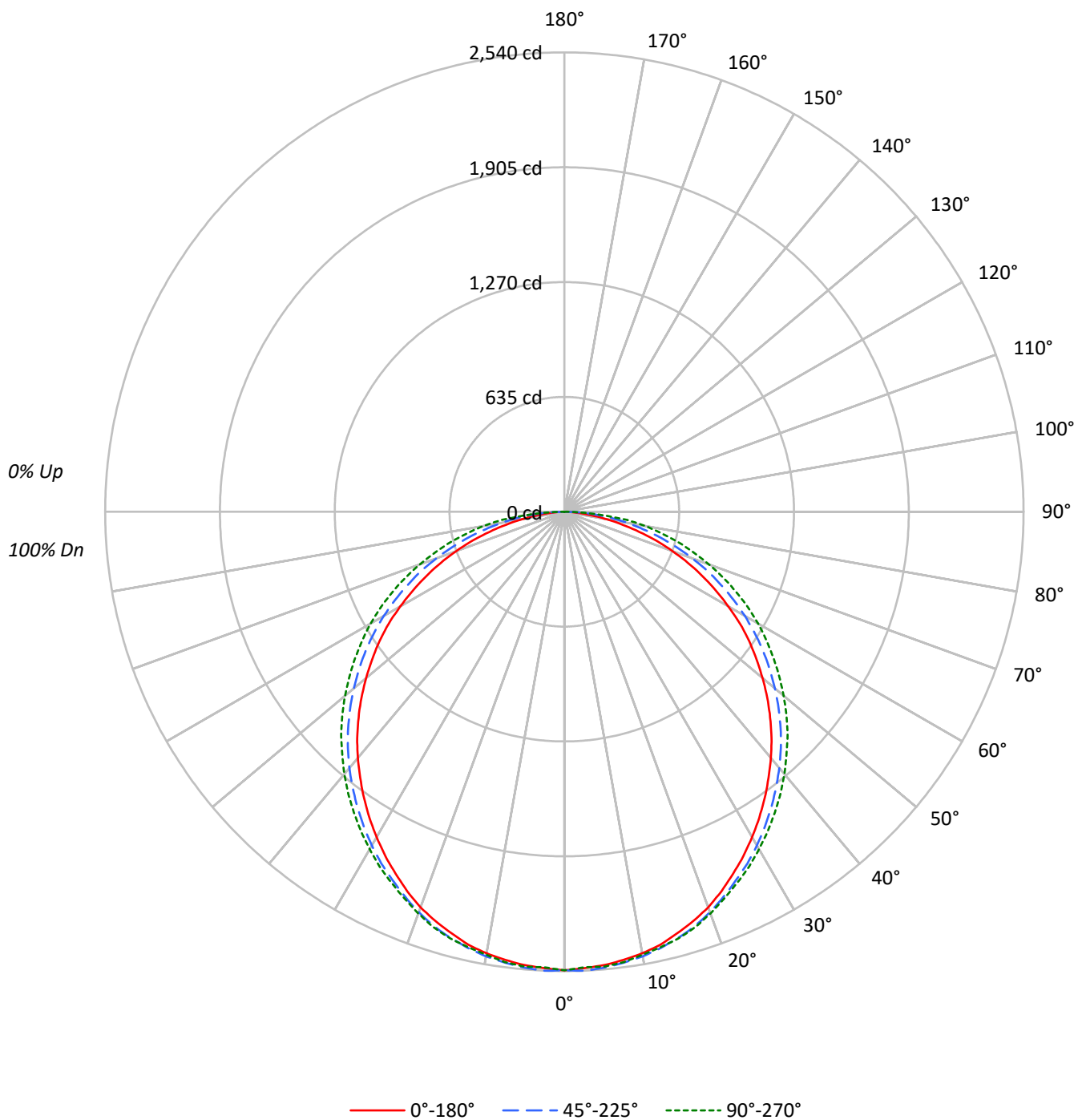
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7399.0 lumens
Efficiency: N/A
Efficacy: 124.4 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): 59.5
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°	3883	3883	3883
5°	3869	3891	3881
10°	3855	3882	3868
15°	3827	3866	3871
20°	3793	3839	3852
25°	3731	3798	3824
30°	3672	3767	3808
35°	3613	3730	3795
40°	3554	3698	3785
45°	3487	3663	3782
50°	3410	3623	3772
55°	3333	3584	3772
60°	3209	3531	3794
65°	3059	3462	3797
70°	2854	3366	3808
75°	2539	3244	3874
80°	2086	3107	4019
85°	1376	2917	3632

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4116 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.8	3.2
10°-20°	686.5	9.3
20°-30°	1034.7	14.0
30°-40°	1246.0	16.8
40°-50°	1301.8	17.6
50°-60°	1196.0	16.2
60°-70°	941.8	12.7
70°-80°	577.4	7.8
80°-90°	175.1	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°	1961.0	26.5
0°-40°	3207.0	43.3
0°-60°	5704.7	77.1
0°-90°	7399.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7399.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2535	2535	2535	2535	2535	
5°	2516	2521	2531	2528	2524	239
15°	2413	2423	2438	2448	2441	681
25°	2208	2222	2247	2271	2263	1018
35°	1932	1958	1995	2031	2030	1209
45°	1610	1644	1691	1738	1746	1242
55°	1248	1284	1342	1400	1412	1114
65°	844	888	955	1020	1048	834
75°	429	479	548	614	655	456
85°	78	116	166	185	207	101
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2535.3	2535.3	2535.3	2535.3	2535.3
2.5°	2525.9	2532.2	2540.0	2527.5	2521.2
5°	2516.5	2521.2	2530.6	2527.5	2524.4
7.5°	2499.3	2502.5	2515.0	2515.0	2511.9
10°	2479.0	2485.2	2496.2	2494.6	2486.8
12.5°	2452.3	2457.0	2469.6	2469.6	2464.9
15°	2413.2	2422.6	2438.2	2447.6	2441.4
17.5°	2372.5	2381.9	2402.2	2411.6	2408.5
20°	2327.1	2334.9	2355.3	2369.3	2363.1
22.5°	2270.7	2280.1	2303.6	2319.2	2313.0
25°	2208.0	2222.1	2247.2	2270.7	2262.9
27.5°	2145.4	2161.1	2192.4	2215.9	2212.7
30°	2076.5	2096.9	2129.7	2159.5	2153.2
32.5°	2006.0	2029.5	2064.0	2095.3	2093.7
35°	1932.4	1957.5	1995.1	2031.1	2029.5
37.5°	1854.1	1883.9	1923.0	1962.2	1963.8
40°	1777.4	1805.6	1849.4	1891.7	1893.3
42.5°	1696.0	1725.7	1772.7	1816.6	1818.1
45°	1609.8	1644.3	1691.3	1738.3	1746.1
47.5°	1522.1	1558.2	1606.7	1656.8	1666.2
50°	1431.3	1468.9	1520.6	1573.8	1583.2
52.5°	1338.9	1378.1	1431.3	1484.6	1498.7
55°	1248.1	1284.1	1342.1	1400.0	1412.5
57.5°	1152.6	1185.5	1248.1	1309.2	1324.8
60°	1047.6	1088.4	1152.6	1213.6	1238.7
62.5°	945.9	989.7	1055.5	1116.6	1144.7
65°	844.1	887.9	955.3	1019.5	1047.6
67.5°	740.7	786.1	858.2	919.2	950.6
70°	637.4	682.8	751.7	817.4	850.3
72.5°	534.0	582.5	649.9	717.2	750.1
75°	429.1	479.2	548.1	613.9	654.6
77.5°	330.4	379.0	447.9	515.2	549.7
80°	236.5	285.0	352.3	419.7	455.7
82.5°	150.3	195.7	261.5	317.9	350.8
85°	78.3	115.9	166.0	184.8	206.7
87.5°	23.5	45.4	64.2	72.0	89.3
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	16.2	17.9	16.6	18.2	18.5	17.0	18.6	17.3	19.0	19.3
	3H	18.0	19.5	18.4	19.8	20.2	19.1	20.6	19.4	20.9	21.3
	4H	18.6	20.0	19.0	20.4	20.8	20.0	21.4	20.4	21.7	22.1
	6H	19.0	20.3	19.4	20.7	21.1	20.7	22.0	21.1	22.4	22.8
	8H	19.1	20.4	19.6	20.8	21.2	21.0	22.3	21.5	22.7	23.1
	12H	19.2	20.4	19.6	20.8	21.2	21.2	22.5	21.7	22.8	23.3
4H	2H	17.0	18.4	17.4	18.8	19.1	17.6	19.0	18.0	19.3	19.7
	3H	19.0	20.2	19.4	20.6	21.0	19.9	21.1	20.3	21.5	21.9
	4H	19.7	20.8	20.2	21.2	21.7	20.9	22.0	21.4	22.4	22.9
	6H	20.3	21.2	20.7	21.7	22.1	21.9	22.8	22.3	23.3	23.7
	8H	20.4	21.3	20.9	21.8	22.2	22.3	23.1	22.7	23.6	24.1
	12H	20.5	21.3	21.0	21.8	22.3	22.5	23.3	23.0	23.8	24.3
8H	4H	20.2	21.1	20.7	21.5	22.0	21.2	22.1	21.7	22.6	23.0
	6H	20.9	21.6	21.4	22.1	22.6	22.3	23.1	22.8	23.6	24.0
	8H	21.1	21.8	21.6	22.3	22.8	22.8	23.5	23.3	24.0	24.5
	12H	21.2	21.8	21.7	22.3	22.9	23.2	23.8	23.7	24.3	24.8
12H	4H	20.3	21.1	20.8	21.6	22.0	21.3	22.1	21.7	22.5	23.0
	6H	21.0	21.7	21.5	22.1	22.7	22.4	23.1	22.9	23.5	24.1
	8H	21.3	21.9	21.8	22.4	22.9	22.9	23.5	23.4	24.0	24.6

(END OF REPORT)