

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: P1590002

Luminaire Tested: 24CZSP-SB-75-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-8)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-SB-75-L930-S
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 7500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

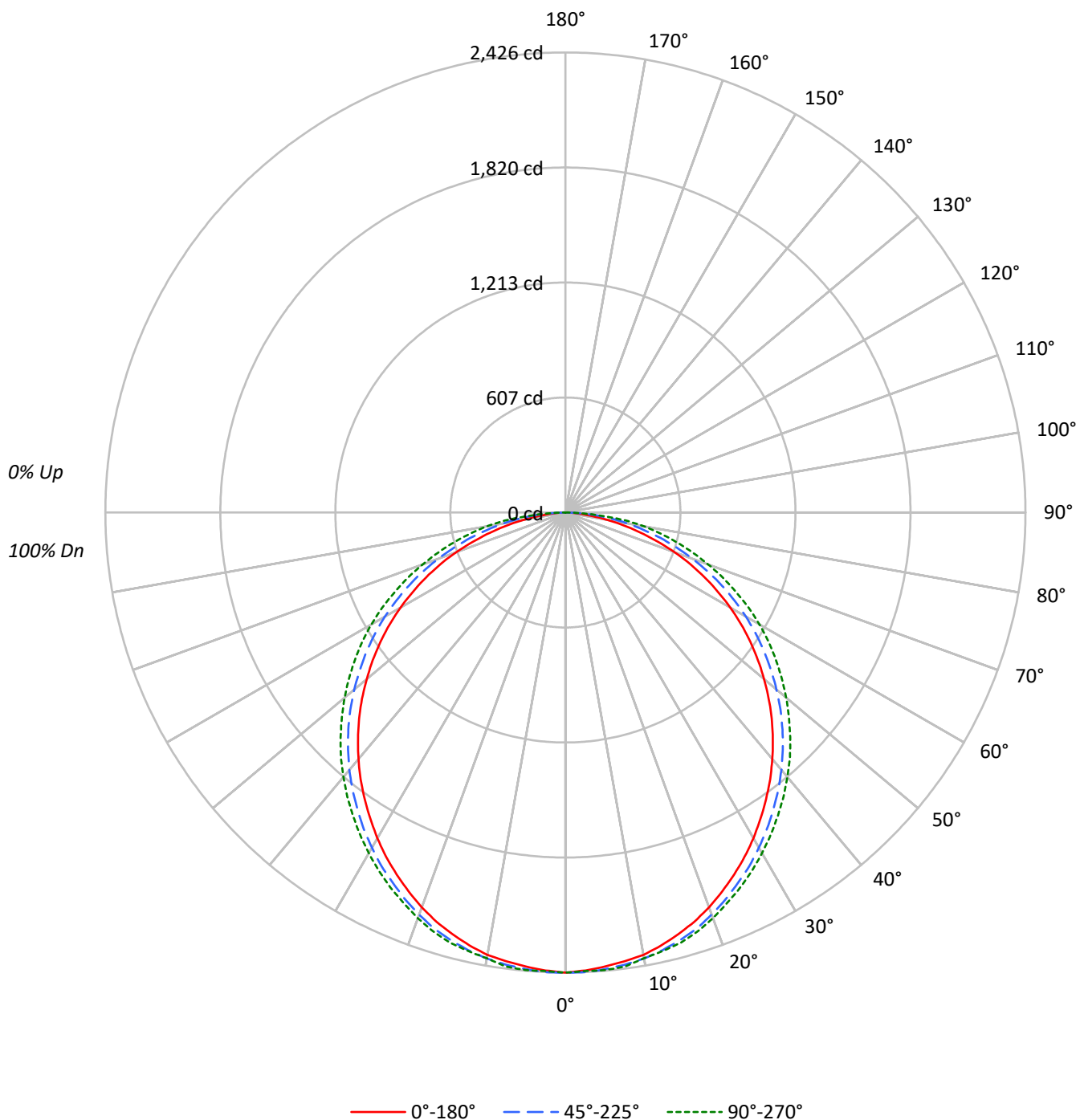
Lumens per Lamp: N/A
Luminaire Lumens: 7058.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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	94	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	64	87	77	69	63	74	67	62		71	66	61		69
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3716	3716	3716
5°	3695	3716	3723
10°	3684	3714	3712
15°	3650	3703	3725
20°	3611	3677	3710
25°	3559	3641	3687
30°	3507	3609	3668
35°	3449	3574	3651
40°	3394	3543	3640
45°	3332	3506	3631
50°	3260	3462	3622
55°	3179	3418	3617
60°	3079	3367	3619
65°	2938	3296	3599
70°	2747	3196	3590
75°	2435	3073	3603
80°	1982	2920	3710
85°	1281	2696	3202

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3760 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.6	3.3
10°-20°	657.5	9.3
20°-30°	991.4	14.0
30°-40°	1192.9	16.9
40°-50°	1244.3	17.6
50°-60°	1140.5	16.2
60°-70°	895.6	12.7
70°-80°	545.1	7.7
80°-90°	161.2	2.3
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°	1878.5	26.6
0°-40°	3071.4	43.5
0°-60°	5456.1	77.3
0°-90°	7058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2426	2426	2426	2426	2426	
5°	2404	2419	2417	2414	2422	228
15°	2302	2325	2335	2338	2349	649
25°	2106	2135	2154	2168	2182	970
35°	1845	1874	1912	1939	1953	1154
45°	1538	1570	1618	1656	1676	1186
55°	1190	1221	1280	1332	1354	1064
65°	811	841	910	970	993	802
75°	412	449	519	582	609	436
85°	73	103	153	172	182	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2426.3	2426.3	2426.3	2426.3	2426.3
2.5°	2417.2	2429.3	2426.3	2415.7	2420.2
5°	2403.5	2418.7	2417.2	2414.1	2421.7
7.5°	2386.8	2403.5	2405.0	2405.0	2414.1
10°	2368.6	2385.3	2388.3	2383.8	2386.8
12.5°	2338.2	2358.0	2364.0	2364.0	2368.6
15°	2301.8	2324.6	2335.2	2338.2	2348.9
17.5°	2262.3	2286.6	2300.3	2307.9	2317.0
20°	2215.2	2241.1	2256.2	2265.4	2276.0
22.5°	2162.1	2191.0	2207.7	2216.8	2228.9
25°	2105.9	2134.8	2154.5	2168.2	2181.8
27.5°	2046.7	2074.0	2101.4	2118.1	2130.2
30°	1982.9	2011.8	2040.6	2061.9	2074.0
32.5°	1914.6	1945.0	1978.4	2001.2	2014.8
35°	1844.8	1873.6	1911.6	1938.9	1952.6
37.5°	1773.4	1803.8	1843.3	1872.1	1888.8
40°	1697.5	1729.4	1771.9	1803.8	1820.5
42.5°	1618.5	1648.9	1696.0	1732.4	1752.2
45°	1538.1	1570.0	1618.5	1656.5	1676.2
47.5°	1454.6	1484.9	1538.1	1582.1	1598.8
50°	1368.0	1396.9	1453.0	1500.1	1519.9
52.5°	1280.0	1310.3	1366.5	1416.6	1437.9
55°	1190.4	1220.7	1280.0	1331.6	1354.4
57.5°	1099.3	1129.6	1190.4	1243.5	1270.8
60°	1005.1	1035.5	1099.3	1153.9	1181.3
62.5°	908.0	939.8	1005.1	1061.3	1090.2
65°	810.8	841.2	909.5	970.2	993.0
67.5°	713.6	744.0	810.8	871.5	898.9
70°	613.4	648.3	713.6	777.4	801.7
72.5°	508.6	548.1	613.4	680.2	704.5
75°	411.5	449.4	519.3	581.5	608.9
77.5°	315.8	356.8	422.1	485.9	513.2
80°	224.7	264.2	331.0	391.7	420.6
82.5°	142.7	177.6	244.5	299.1	320.4
85°	72.9	103.2	153.4	171.6	182.2
87.5°	21.3	36.4	54.7	68.3	75.9
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	16.1	17.7	16.4	18.0	18.3	16.8	18.5	17.2	18.8	19.1
	3H	17.8	19.3	18.2	19.7	20.0	18.9	20.4	19.3	20.7	21.1
	4H	18.4	19.9	18.8	20.2	20.6	19.7	21.2	20.1	21.5	21.9
	6H	18.9	20.2	19.3	20.5	20.9	20.5	21.8	20.9	22.2	22.6
	8H	19.0	20.2	19.4	20.6	21.0	20.8	22.0	21.2	22.4	22.8
	12H	19.0	20.2	19.4	20.6	21.0	21.0	22.2	21.4	22.6	23.0
4H	2H	16.8	18.2	17.2	18.6	19.0	17.4	18.8	17.8	19.2	19.5
	3H	18.8	20.0	19.2	20.4	20.8	19.7	20.9	20.1	21.3	21.7
	4H	19.6	20.6	20.0	21.1	21.5	20.7	21.8	21.2	22.2	22.7
	6H	20.1	21.0	20.5	21.5	21.9	21.6	22.6	22.1	23.0	23.5
	8H	20.2	21.1	20.7	21.6	22.0	22.0	22.9	22.5	23.3	23.8
	12H	20.3	21.1	20.8	21.6	22.1	22.3	23.1	22.7	23.5	24.0
8H	4H	20.0	20.9	20.5	21.3	21.8	21.0	21.9	21.5	22.4	22.8
	6H	20.7	21.4	21.2	21.9	22.4	22.1	22.8	22.6	23.3	23.8
	8H	20.9	21.5	21.4	22.1	22.5	22.6	23.2	23.1	23.7	24.2
	12H	21.0	21.6	21.5	22.1	22.7	22.9	23.5	23.4	24.0	24.5
12H	4H	20.1	20.9	20.6	21.4	21.8	21.1	21.9	21.5	22.3	22.8
	6H	20.8	21.5	21.3	21.9	22.5	22.2	22.8	22.7	23.3	23.8
	8H	21.1	21.7	21.6	22.2	22.7	22.7	23.3	23.2	23.8	24.3

(END OF REPORT)