

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: P1590003

Luminaire Tested: 24CZSP-SB-75-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590003
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-L930
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 7500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

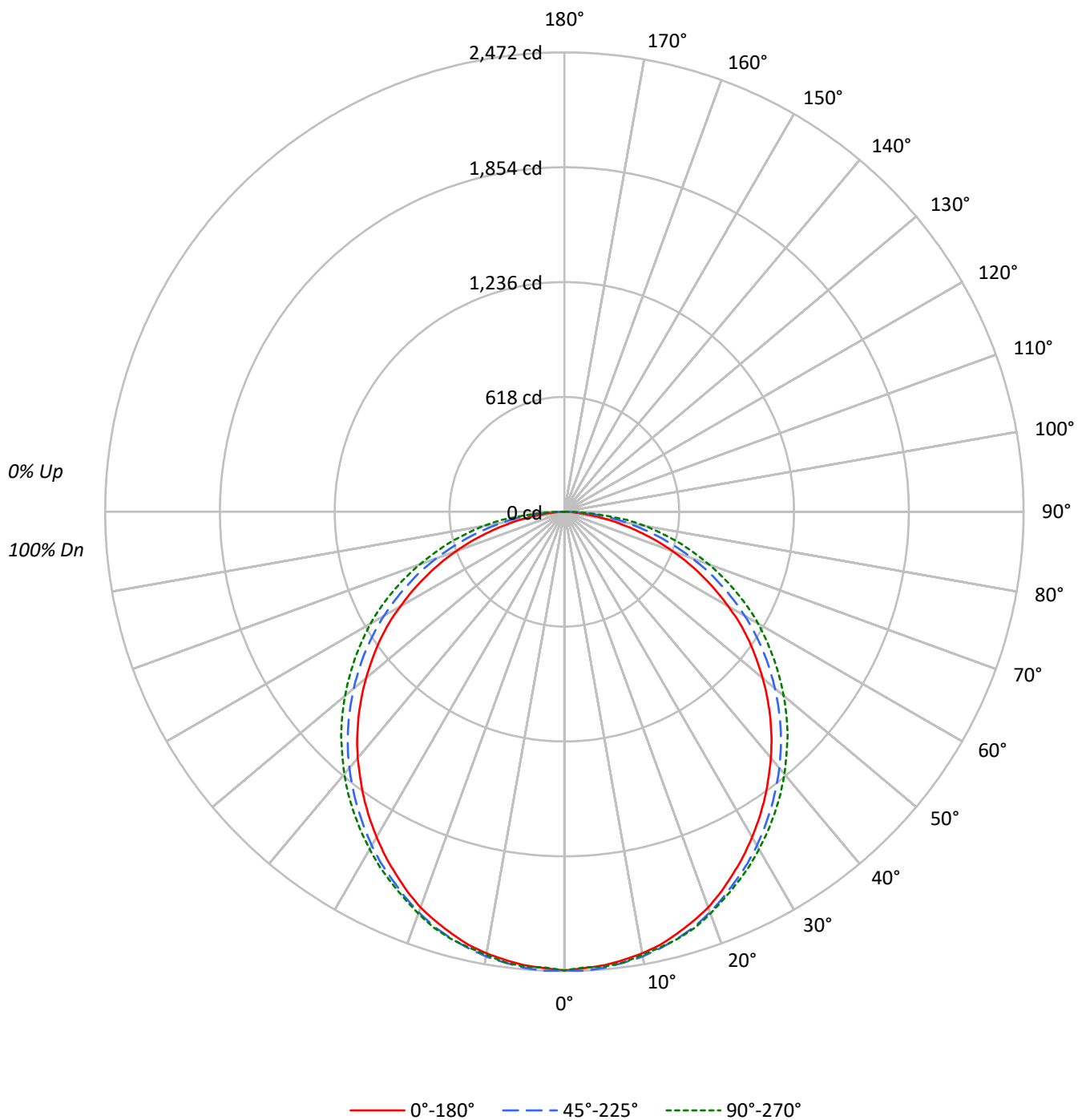
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7202.0 lumens
Efficiency: N/A
Efficacy: 121.0 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°	3780	3780	3780
5°	3766	3787	3778
10°	3753	3779	3765
15°	3725	3763	3768
20°	3692	3737	3749
25°	3632	3697	3722
30°	3575	3666	3707
35°	3517	3631	3694
40°	3459	3599	3685
45°	3394	3566	3681
50°	3320	3527	3672
55°	3244	3488	3671
60°	3124	3437	3693
65°	2978	3370	3696
70°	2778	3277	3707
75°	2472	3157	3771
80°	2030	3025	3913
85°	1339	2840	3536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.4	3.2
10°-20°	668.2	9.3
20°-30°	1007.1	14.0
30°-40°	1212.8	16.8
40°-50°	1267.1	17.6
50°-60°	1164.1	16.2
60°-70°	916.7	12.7
70°-80°	562.0	7.8
80°-90°	170.4	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°	1908.8	26.5
0°-40°	3121.6	43.3
0°-60°	5552.8	77.1
0°-90°	7202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2468	2468	2468	2468	2468	
5°	2450	2454	2463	2460	2457	233
15°	2349	2358	2373	2382	2376	663
25°	2149	2163	2187	2210	2203	991
35°	1881	1905	1942	1977	1976	1176
45°	1567	1600	1646	1692	1700	1209
55°	1215	1250	1306	1363	1375	1084
65°	822	864	930	992	1020	812
75°	418	466	534	598	637	444
85°	76	113	162	180	201	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2467.8	2467.8	2467.8	2467.8	2467.8
2.5°	2458.7	2464.8	2472.4	2460.2	2454.1
5°	2449.5	2454.1	2463.3	2460.2	2457.2
7.5°	2432.8	2435.8	2448.0	2448.0	2445.0
10°	2413.0	2419.1	2429.7	2428.2	2420.6
12.5°	2387.0	2391.6	2403.8	2403.8	2399.2
15°	2348.9	2358.1	2373.3	2382.5	2376.4
17.5°	2309.3	2318.5	2338.3	2347.4	2344.4
20°	2265.1	2272.7	2292.5	2306.3	2300.2
22.5°	2210.2	2219.4	2242.2	2257.5	2251.4
25°	2149.3	2163.0	2187.4	2210.2	2202.6
27.5°	2088.3	2103.5	2134.0	2156.9	2153.8
30°	2021.2	2041.0	2073.0	2102.0	2095.9
32.5°	1952.6	1975.5	2009.0	2039.5	2038.0
35°	1881.0	1905.4	1942.0	1977.0	1975.5
37.5°	1804.8	1833.7	1871.8	1909.9	1911.5
40°	1730.1	1757.5	1800.2	1841.4	1842.9
42.5°	1650.8	1679.8	1725.5	1768.2	1769.7
45°	1567.0	1600.5	1646.2	1692.0	1699.6
47.5°	1481.6	1516.7	1563.9	1612.7	1621.9
50°	1393.2	1429.8	1480.1	1531.9	1541.1
52.5°	1303.3	1341.4	1393.2	1445.0	1458.8
55°	1214.9	1249.9	1306.3	1362.7	1374.9
57.5°	1121.9	1153.9	1214.9	1274.3	1289.6
60°	1019.8	1059.4	1121.9	1181.3	1205.7
62.5°	920.7	963.4	1027.4	1086.8	1114.3
65°	821.6	864.3	929.8	992.3	1019.8
67.5°	721.0	765.2	835.3	894.8	925.2
70°	620.4	664.6	731.7	795.7	827.7
72.5°	519.8	567.0	632.6	698.1	730.1
75°	417.7	466.4	533.5	597.5	637.2
77.5°	321.6	368.9	435.9	501.5	535.0
80°	230.2	277.4	343.0	408.5	443.6
82.5°	146.3	190.5	254.6	309.4	341.4
85°	76.2	112.8	161.6	179.9	201.2
87.5°	22.9	44.2	62.5	70.1	86.9
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	17.8	16.5	18.1	18.4	16.9	18.5	17.2	18.9	19.2
	3H	17.9	19.4	18.3	19.7	20.1	19.0	20.5	19.4	20.8	21.2
	4H	18.5	19.9	18.9	20.3	20.7	19.9	21.3	20.3	21.6	22.0
	6H	18.9	20.3	19.3	20.6	21.0	20.6	21.9	21.0	22.3	22.7
	8H	19.0	20.3	19.5	20.7	21.1	20.9	22.2	21.4	22.6	23.0
	12H	19.1	20.3	19.5	20.7	21.1	21.2	22.4	21.6	22.7	23.2
4H	2H	16.9	18.3	17.3	18.7	19.0	17.5	18.9	17.9	19.3	19.6
	3H	18.9	20.1	19.3	20.5	20.9	19.8	21.0	20.2	21.4	21.8
	4H	19.7	20.7	20.1	21.1	21.6	20.8	21.9	21.3	22.3	22.8
	6H	20.2	21.1	20.6	21.6	22.0	21.8	22.7	22.2	23.2	23.6
	8H	20.3	21.2	20.8	21.7	22.1	22.2	23.1	22.6	23.5	24.0
	12H	20.4	21.2	20.9	21.7	22.2	22.4	23.2	22.9	23.7	24.2
8H	4H	20.1	21.0	20.6	21.4	21.9	21.1	22.0	21.6	22.5	22.9
	6H	20.8	21.5	21.3	22.0	22.5	22.2	23.0	22.7	23.5	23.9
	8H	21.0	21.7	21.5	22.2	22.7	22.7	23.4	23.2	23.9	24.4
	12H	21.1	21.7	21.7	22.2	22.8	23.1	23.7	23.6	24.2	24.7
12H	4H	20.2	21.0	20.7	21.5	21.9	21.2	22.0	21.7	22.5	22.9
	6H	20.9	21.6	21.4	22.1	22.6	22.3	23.0	22.8	23.4	24.0
	8H	21.2	21.8	21.7	22.3	22.8	22.8	23.4	23.3	23.9	24.5

(END OF REPORT)