

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: P1589997

Luminaire Tested: 24CZSP-SB-75-L840

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589997
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-L840
Description: 2x4 CZSP LED Luminaire, 4000K CCT and 7500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

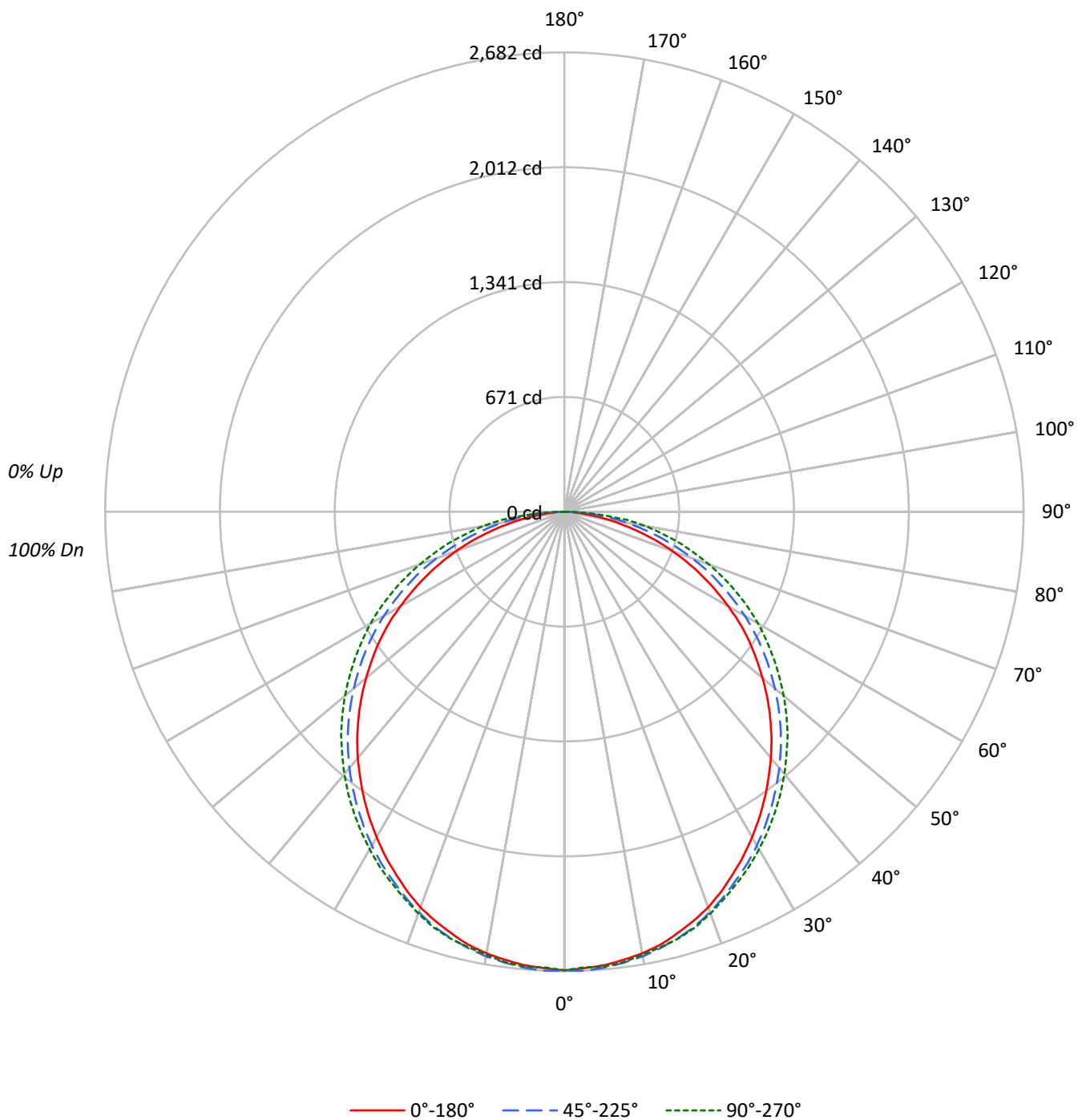
Lumens per Lamp: N/A
Luminaire Lumens: 7813.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	4100	4100	4100
5°	4086	4108	4098
10°	4071	4099	4084
15°	4041	4083	4088
20°	4005	4054	4067
25°	3940	4010	4038
30°	3878	3977	4021
35°	3815	3939	4007
40°	3753	3905	3997
45°	3682	3868	3994
50°	3601	3826	3984
55°	3519	3784	3983
60°	3389	3728	4007
65°	3230	3656	4009
70°	3014	3554	4021
75°	2681	3425	4090
80°	2202	3282	4244
85°	1453	3081	3836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4346 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.3	3.2
10°-20°	724.9	9.3
20°-30°	1092.6	14.0
30°-40°	1315.7	16.8
40°-50°	1374.6	17.6
50°-60°	1262.9	16.2
60°-70°	994.5	12.7
70°-80°	609.7	7.8
80°-90°	184.9	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°	2070.7	26.5
0°-40°	3386.4	43.3
0°-60°	6023.9	77.1
0°-90°	7813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2677	2677	2677	2677	2677	
5°	2657	2662	2672	2669	2666	252
15°	2548	2558	2575	2585	2578	719
25°	2332	2346	2373	2398	2390	1075
35°	2041	2067	2107	2145	2143	1276
45°	1700	1736	1786	1836	1844	1311
55°	1318	1356	1417	1478	1492	1176
65°	891	938	1009	1076	1106	881
75°	453	506	579	648	691	482
85°	83	122	175	195	218	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2677.2	2677.2	2677.2	2677.2	2677.2
2.5°	2667.3	2673.9	2682.2	2668.9	2662.3
5°	2657.4	2662.3	2672.2	2668.9	2665.6
7.5°	2639.2	2642.5	2655.7	2655.7	2652.4
10°	2617.7	2624.3	2635.9	2634.2	2625.9
12.5°	2589.6	2594.5	2607.8	2607.8	2602.8
15°	2548.2	2558.1	2574.7	2584.6	2578.0
17.5°	2505.2	2515.1	2536.6	2546.6	2543.3
20°	2457.3	2465.5	2487.0	2501.9	2495.3
22.5°	2397.7	2407.7	2432.5	2449.0	2442.4
25°	2331.6	2346.5	2372.9	2397.7	2389.5
27.5°	2265.5	2282.0	2315.1	2339.9	2336.6
30°	2192.7	2214.2	2248.9	2280.3	2273.7
32.5°	2118.3	2143.1	2179.5	2212.5	2210.9
35°	2040.6	2067.0	2106.7	2144.7	2143.1
37.5°	1957.9	1989.3	2030.6	2072.0	2073.6
40°	1876.9	1906.6	1952.9	1997.6	1999.2
42.5°	1790.9	1822.3	1871.9	1918.2	1919.8
45°	1699.9	1736.3	1785.9	1835.5	1843.8
47.5°	1607.3	1645.3	1696.6	1749.5	1759.4
50°	1511.4	1551.1	1605.7	1661.9	1671.8
52.5°	1413.8	1455.2	1511.4	1567.6	1582.5
55°	1317.9	1356.0	1417.1	1478.3	1491.6
57.5°	1217.1	1251.8	1317.9	1382.4	1399.0
60°	1106.3	1149.3	1217.1	1281.6	1308.0
62.5°	998.8	1045.1	1114.5	1179.0	1208.8
65°	891.3	937.6	1008.7	1076.5	1106.3
67.5°	782.2	830.1	906.2	970.7	1003.7
70°	673.0	721.0	793.7	863.2	897.9
72.5°	563.9	615.1	686.3	757.4	792.1
75°	453.1	506.0	578.8	648.2	691.2
77.5°	348.9	400.2	472.9	544.0	580.4
80°	249.7	301.0	372.1	443.2	481.2
82.5°	158.7	206.7	276.2	335.7	370.4
85°	82.7	122.4	175.3	195.1	218.3
87.5°	24.8	48.0	67.8	76.1	94.3
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	16.4	18.1	16.8	18.4	18.7	17.2	18.8	17.5	19.1	19.5
	3H	18.2	19.7	18.6	20.0	20.4	19.3	20.8	19.6	21.1	21.5
	4H	18.8	20.2	19.2	20.6	20.9	20.1	21.6	20.5	21.9	22.3
	6H	19.2	20.5	19.6	20.9	21.3	20.9	22.2	21.3	22.6	23.0
	8H	19.3	20.6	19.7	21.0	21.4	21.2	22.5	21.6	22.9	23.3
	12H	19.4	20.6	19.8	21.0	21.4	21.4	22.6	21.9	23.0	23.5
4H	2H	17.2	18.6	17.6	19.0	19.3	17.8	19.2	18.2	19.5	19.9
	3H	19.2	20.4	19.6	20.8	21.2	20.1	21.3	20.5	21.7	22.1
	4H	19.9	21.0	20.4	21.4	21.9	21.1	22.2	21.6	22.6	23.1
	6H	20.5	21.4	20.9	21.9	22.3	22.1	23.0	22.5	23.5	23.9
	8H	20.6	21.5	21.1	22.0	22.4	22.4	23.3	22.9	23.8	24.2
	12H	20.7	21.5	21.2	22.0	22.4	22.7	23.5	23.2	24.0	24.5
8H	4H	20.4	21.3	20.8	21.7	22.2	21.4	22.3	21.9	22.8	23.2
	6H	21.1	21.8	21.6	22.3	22.8	22.5	23.3	23.0	23.7	24.2
	8H	21.3	22.0	21.8	22.5	22.9	23.0	23.7	23.5	24.2	24.7
	12H	21.4	22.0	21.9	22.5	23.1	23.4	24.0	23.9	24.5	25.0
12H	4H	20.5	21.3	20.9	21.7	22.2	21.5	22.3	21.9	22.7	23.2
	6H	21.2	21.9	21.7	22.3	22.9	22.6	23.3	23.1	23.7	24.2
	8H	21.5	22.1	22.0	22.6	23.1	23.1	23.7	23.6	24.2	24.8

(END OF REPORT)