

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: P1590000

Luminaire Tested: 24CZSP-SB-75-L850-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590000
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-L850-S
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 7500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

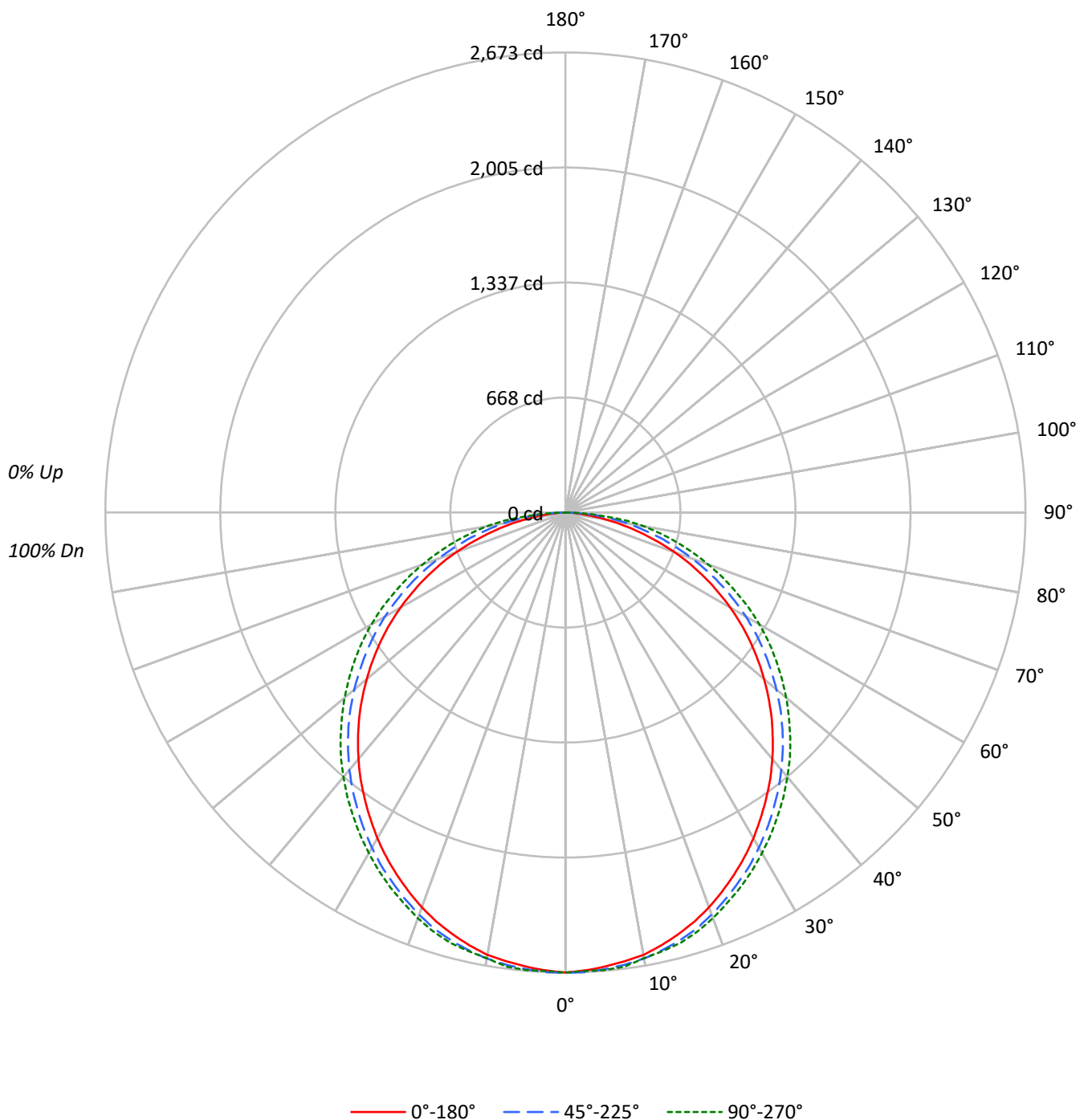
Lumens per Lamp: N/A
Luminaire Lumens: 7776.0 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	94	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	69
3	89	79	70	64	87	77	69	63	74	67	62		71	66	61		69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4094	4094	4094
5°	4071	4094	4102
10°	4059	4092	4090
15°	4021	4080	4103
20°	3978	4052	4087
25°	3921	4011	4062
30°	3864	3976	4041
35°	3800	3938	4022
40°	3739	3903	4010
45°	3670	3862	4000
50°	3591	3815	3990
55°	3502	3766	3984
60°	3392	3710	3987
65°	3237	3631	3965
70°	3026	3521	3955
75°	2683	3386	3970
80°	2184	3217	4087
85°	1411	2970	3527

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4142 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.0	3.3
10°-20°	724.4	9.3
20°-30°	1092.2	14.0
30°-40°	1314.2	16.9
40°-50°	1370.8	17.6
50°-60°	1256.5	16.2
60°-70°	986.7	12.7
70°-80°	600.5	7.7
80°-90°	177.6	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°	2069.6	26.6
0°-40°	3383.8	43.5
0°-60°	6011.1	77.3
0°-90°	7776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2673	2673	2673	2673	2673	
5°	2648	2665	2663	2660	2668	252
15°	2536	2561	2573	2576	2588	715
25°	2320	2352	2374	2389	2404	1069
35°	2032	2064	2106	2136	2151	1272
45°	1694	1730	1783	1825	1847	1307
55°	1312	1345	1410	1467	1492	1172
65°	893	927	1002	1069	1094	884
75°	453	495	572	641	671	481
85°	80	114	169	189	201	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2673.1	2673.1	2673.1	2673.1	2673.1
2.5°	2663.1	2676.5	2673.1	2661.4	2666.4
5°	2648.0	2664.8	2663.1	2659.7	2668.1
7.5°	2629.6	2648.0	2649.7	2649.7	2659.7
10°	2609.6	2628.0	2631.3	2626.3	2629.6
12.5°	2576.1	2597.8	2604.5	2604.5	2609.6
15°	2536.0	2561.0	2572.8	2576.1	2587.8
17.5°	2492.5	2519.2	2534.3	2542.6	2552.7
20°	2440.6	2469.0	2485.8	2495.8	2507.5
22.5°	2382.1	2413.8	2432.2	2442.3	2455.7
25°	2320.2	2351.9	2373.7	2388.7	2403.8
27.5°	2254.9	2285.0	2315.1	2333.5	2346.9
30°	2184.7	2216.4	2248.2	2271.6	2285.0
32.5°	2109.4	2142.8	2179.6	2204.7	2219.8
35°	2032.4	2064.2	2106.0	2136.2	2151.2
37.5°	1953.8	1987.3	2030.8	2062.6	2081.0
40°	1870.2	1905.3	1952.1	1987.3	2005.7
42.5°	1783.2	1816.7	1868.5	1908.7	1930.4
45°	1694.5	1729.7	1783.2	1825.0	1846.8
47.5°	1602.5	1636.0	1694.5	1743.0	1761.4
50°	1507.2	1539.0	1600.9	1652.7	1674.5
52.5°	1410.2	1443.6	1505.5	1560.7	1584.1
55°	1311.5	1344.9	1410.2	1467.0	1492.1
57.5°	1211.1	1244.6	1311.5	1370.0	1400.1
60°	1107.4	1140.8	1211.1	1271.3	1301.4
62.5°	1000.3	1035.5	1107.4	1169.3	1201.1
65°	893.3	926.7	1002.0	1068.9	1094.0
67.5°	786.2	819.7	893.3	960.2	990.3
70°	675.8	714.3	786.2	856.5	883.2
72.5°	560.4	603.9	675.8	749.4	776.2
75°	453.3	495.1	572.1	640.7	670.8
77.5°	347.9	393.1	465.0	535.3	565.4
80°	247.6	291.1	364.7	431.6	463.4
82.5°	157.2	195.7	269.3	329.5	353.0
85°	80.3	113.7	169.0	189.0	200.7
87.5°	23.4	40.1	60.2	75.3	83.6
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	17.1	18.8	17.5	19.1	19.4
	3H	18.2	19.7	18.5	20.0	20.4	19.2	20.7	19.6	21.0	21.4
	4H	18.8	20.2	19.2	20.6	20.9	20.1	21.5	20.5	21.8	22.2
	6H	19.2	20.5	19.6	20.9	21.3	20.8	22.1	21.2	22.5	22.9
	8H	19.3	20.6	19.7	20.9	21.3	21.1	22.4	21.5	22.8	23.2
	12H	19.3	20.6	19.8	20.9	21.4	21.3	22.5	21.7	22.9	23.3
4H	2H	17.2	18.6	17.6	18.9	19.3	17.7	19.2	18.1	19.5	19.9
	3H	19.2	20.4	19.6	20.7	21.1	20.0	21.2	20.5	21.6	22.0
	4H	19.9	21.0	20.3	21.4	21.8	21.1	22.2	21.5	22.6	23.0
	6H	20.4	21.4	20.9	21.8	22.3	22.0	22.9	22.4	23.4	23.8
	8H	20.6	21.5	21.0	21.9	22.4	22.3	23.2	22.8	23.7	24.1
	12H	20.7	21.5	21.1	21.9	22.4	22.6	23.4	23.1	23.9	24.3
8H	4H	20.3	21.2	20.8	21.7	22.1	21.4	22.3	21.8	22.7	23.2
	6H	21.0	21.7	21.5	22.2	22.7	22.4	23.2	22.9	23.7	24.1
	8H	21.2	21.9	21.7	22.4	22.9	22.9	23.6	23.4	24.1	24.6
	12H	21.4	21.9	21.9	22.4	23.0	23.2	23.8	23.8	24.3	24.9
12H	4H	20.4	21.2	20.9	21.7	22.2	21.4	22.2	21.9	22.7	23.1
	6H	21.1	21.8	21.7	22.3	22.8	22.5	23.2	23.0	23.6	24.2
	8H	21.4	22.0	21.9	22.5	23.0	23.0	23.6	23.5	24.1	24.6

(END OF REPORT)