

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: P1589994

Luminaire Tested: 24CZSP-SB-75-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589994
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-L835-S
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 7500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

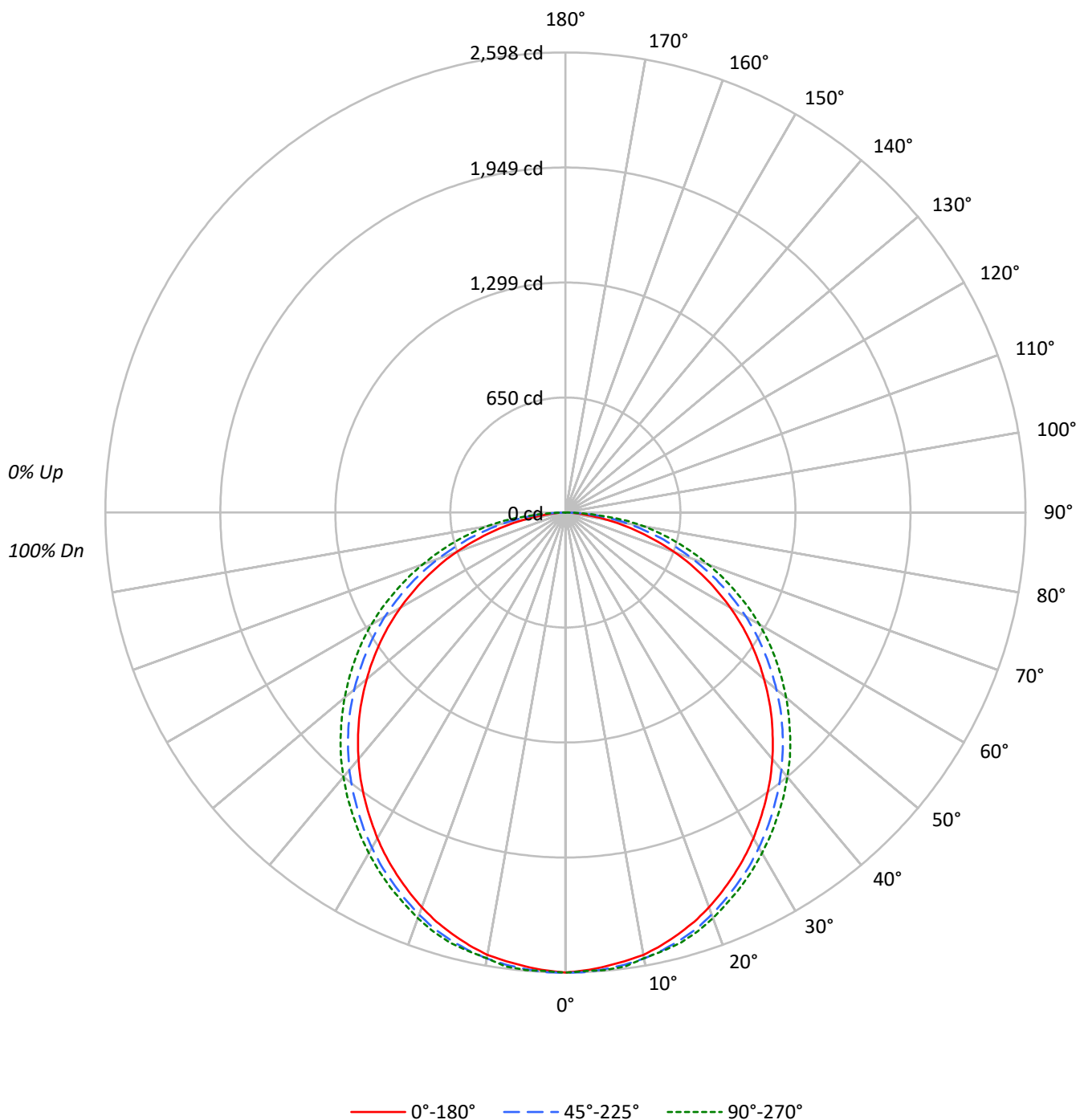
Lumens per Lamp: N/A
Luminaire Lumens: 7558.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3979	3979	3979
5°	3957	3980	3987
10°	3945	3978	3975
15°	3908	3965	3988
20°	3867	3938	3972
25°	3811	3899	3948
30°	3755	3865	3928
35°	3694	3827	3910
40°	3634	3794	3898
45°	3567	3754	3888
50°	3491	3708	3878
55°	3404	3660	3873
60°	3297	3606	3875
65°	3146	3530	3854
70°	2942	3422	3845
75°	2607	3291	3858
80°	2122	3126	3973
85°	1371	2886	3429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4026 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.9	3.3
10°-20°	704.1	9.3
20°-30°	1061.6	14.0
30°-40°	1277.4	16.9
40°-50°	1332.4	17.6
50°-60°	1221.3	16.2
60°-70°	959.0	12.7
70°-80°	583.7	7.7
80°-90°	172.7	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°	2011.6	26.6
0°-40°	3288.9	43.5
0°-60°	5842.6	77.3
0°-90°	7558.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7558.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2598	2598	2598	2598	2598	
5°	2574	2590	2588	2585	2593	245
15°	2465	2489	2501	2504	2515	695
25°	2255	2286	2307	2322	2336	1039
35°	1976	2006	2047	2076	2091	1236
45°	1647	1681	1733	1774	1795	1270
55°	1275	1307	1371	1426	1450	1139
65°	868	901	974	1039	1063	859
75°	441	481	556	623	652	467
85°	78	111	164	184	195	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2598.2	2598.2	2598.2	2598.2	2598.2
2.5°	2588.4	2601.4	2598.2	2586.8	2591.7
5°	2573.8	2590.0	2588.4	2585.2	2593.3
7.5°	2555.9	2573.8	2575.4	2575.4	2585.2
10°	2536.4	2554.3	2557.5	2552.7	2555.9
12.5°	2503.9	2525.0	2531.5	2531.5	2536.4
15°	2464.9	2489.2	2500.6	2503.9	2515.3
17.5°	2422.6	2448.6	2463.2	2471.4	2481.1
20°	2372.2	2399.8	2416.1	2425.8	2437.2
22.5°	2315.3	2346.2	2364.0	2373.8	2386.8
25°	2255.1	2286.0	2307.1	2321.8	2336.4
27.5°	2191.7	2221.0	2250.2	2268.1	2281.1
30°	2123.4	2154.3	2185.2	2208.0	2221.0
32.5°	2050.3	2082.8	2118.5	2142.9	2157.6
35°	1975.5	2006.4	2047.0	2076.3	2090.9
37.5°	1899.0	1931.6	1973.8	2004.7	2022.6
40°	1817.7	1851.9	1897.4	1931.6	1949.4
42.5°	1733.2	1765.7	1816.1	1855.1	1876.3
45°	1647.0	1681.2	1733.2	1773.9	1795.0
47.5°	1557.6	1590.1	1647.0	1694.2	1712.1
50°	1464.9	1495.8	1556.0	1606.4	1627.5
52.5°	1370.6	1403.1	1463.3	1517.0	1539.7
55°	1274.7	1307.2	1370.6	1425.9	1450.3
57.5°	1177.1	1209.7	1274.7	1331.6	1360.9
60°	1076.3	1108.9	1177.1	1235.7	1264.9
62.5°	972.3	1006.4	1076.3	1136.5	1167.4
65°	868.2	900.7	973.9	1038.9	1063.3
67.5°	764.2	796.7	868.2	933.3	962.5
70°	656.9	694.3	764.2	832.5	858.5
72.5°	544.7	586.9	656.9	728.4	754.4
75°	440.6	481.3	556.1	622.7	652.0
77.5°	338.2	382.1	452.0	520.3	549.6
80°	240.6	282.9	354.4	419.5	450.4
82.5°	152.8	190.2	261.8	320.3	343.1
85°	78.0	110.6	164.2	183.7	195.1
87.5°	22.8	39.0	58.5	73.2	81.3
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	16.3	18.0	16.7	18.3	18.6	17.0	18.7	17.4	19.0	19.3
	3H	18.1	19.6	18.4	19.9	20.3	19.1	20.6	19.5	20.9	21.3
	4H	18.7	20.1	19.1	20.5	20.8	20.0	21.4	20.4	21.7	22.1
	6H	19.1	20.4	19.5	20.8	21.2	20.7	22.0	21.1	22.4	22.8
	8H	19.2	20.5	19.6	20.8	21.2	21.0	22.3	21.4	22.7	23.1
	12H	19.2	20.5	19.7	20.8	21.3	21.2	22.4	21.6	22.8	23.2
4H	2H	17.1	18.5	17.5	18.8	19.2	17.6	19.1	18.0	19.4	19.8
	3H	19.1	20.3	19.5	20.6	21.0	20.0	21.1	20.4	21.5	21.9
	4H	19.8	20.9	20.2	21.3	21.7	21.0	22.1	21.4	22.5	22.9
	6H	20.3	21.3	20.8	21.7	22.2	21.9	22.8	22.3	23.3	23.7
	8H	20.5	21.4	20.9	21.8	22.3	22.2	23.1	22.7	23.6	24.0
	12H	20.6	21.4	21.0	21.8	22.3	22.5	23.3	23.0	23.8	24.2
8H	4H	20.2	21.1	20.7	21.6	22.0	21.3	22.2	21.7	22.6	23.1
	6H	20.9	21.7	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	21.3	21.8	21.8	22.3	22.9	23.1	23.7	23.7	24.2	24.8
12H	4H	20.3	21.1	20.8	21.6	22.1	21.3	22.1	21.8	22.6	23.0
	6H	21.0	21.7	21.6	22.2	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)