

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: P1589993

Luminaire Tested: 24CZSP-SB-75-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589993
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-L830
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 7500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

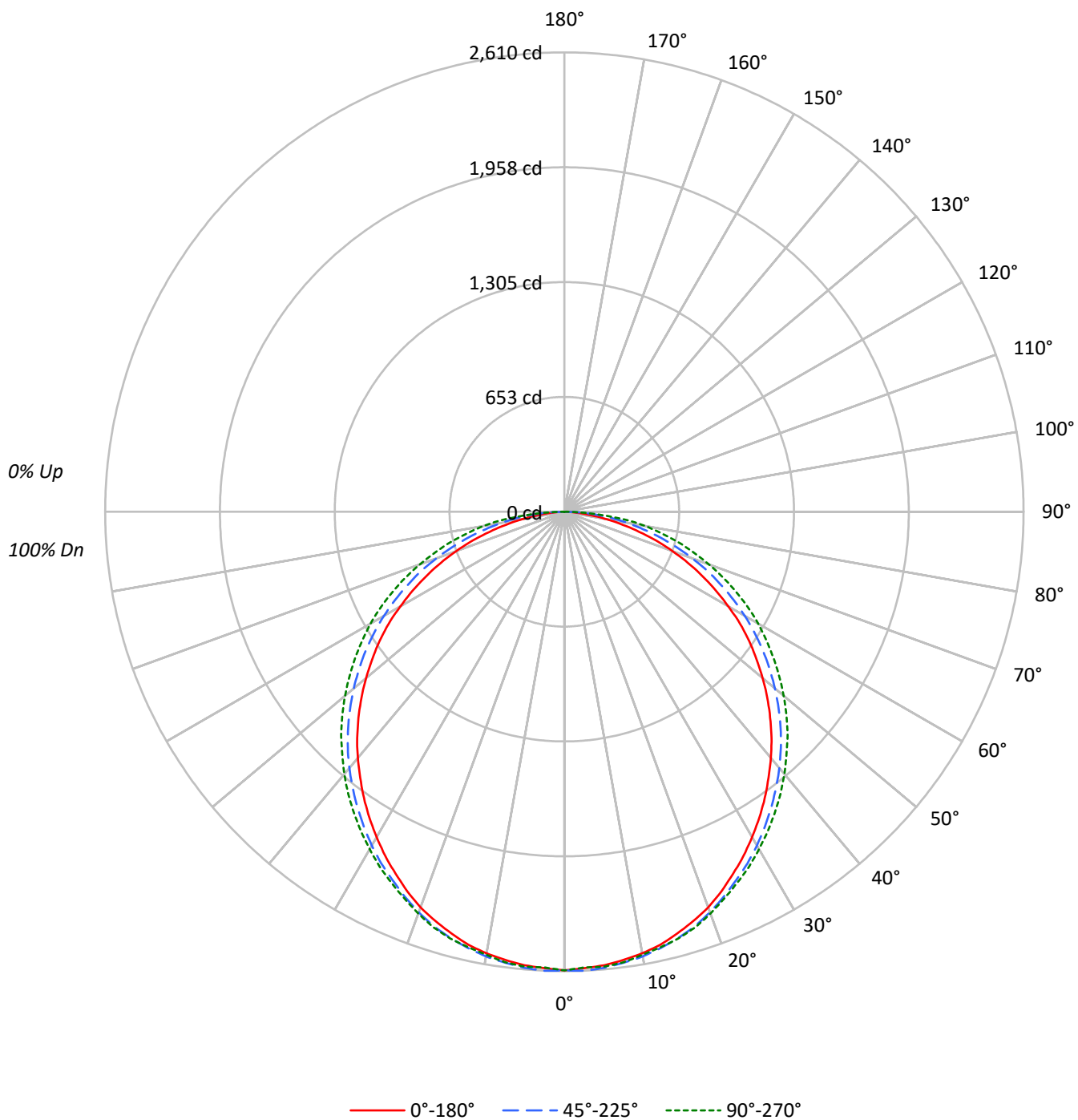
Lumens per Lamp: N/A
Luminaire Lumens: 7604.0 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1589993

CATALOG NUMBER: 24CZSP-SB-75-L830

Luminous Intensity Polar Plot



TEST NUMBER: P1589993

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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°	3991	3991	3991
5°	3976	3999	3989
10°	3962	3990	3975
15°	3933	3973	3978
20°	3898	3945	3958
25°	3835	3903	3930
30°	3774	3871	3914
35°	3713	3834	3900
40°	3652	3800	3890
45°	3584	3765	3887
50°	3505	3724	3877
55°	3425	3683	3876
60°	3298	3628	3900
65°	3144	3558	3902
70°	2933	3459	3913
75°	2610	3333	3981
80°	2143	3194	4131
85°	1415	2998	3733

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4230 cd/sqm

TEST NUMBER: P1589993

CATALOG NUMBER: 24CZSP-SB-75-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	3.2
10°-20°	705.5	9.3
20°-30°	1063.4	14.0
30°-40°	1280.6	16.8
40°-50°	1337.8	17.6
50°-60°	1229.1	16.2
60°-70°	967.9	12.7
70°-80°	593.4	7.8
80°-90°	179.9	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°	2015.3	26.5
0°-40°	3295.9	43.3
0°-60°	5862.8	77.1
0°-90°	7604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7604.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2606	2606	2606	2606	2606	
5°	2586	2591	2601	2598	2594	246
15°	2480	2490	2506	2516	2509	700
25°	2269	2284	2310	2334	2326	1046
35°	1986	2012	2050	2087	2086	1242
45°	1654	1690	1738	1786	1794	1276
55°	1283	1320	1379	1439	1452	1144
65°	868	912	982	1048	1077	858
75°	441	492	563	631	673	469
85°	80	119	171	190	212	103
90°	0	0	0	0	0	

TEST NUMBER: P1589993

CATALOG NUMBER: 24CZSP-SB-75-L830

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2605.6	2605.6	2605.6	2605.6	2605.6
2.5°	2595.9	2602.4	2610.4	2597.5	2591.1
5°	2586.3	2591.1	2600.8	2597.5	2594.3
7.5°	2568.6	2571.8	2584.7	2584.7	2581.4
10°	2547.6	2554.1	2565.4	2563.7	2555.7
12.5°	2520.3	2525.1	2538.0	2538.0	2533.2
15°	2480.1	2489.7	2505.8	2515.5	2509.0
17.5°	2438.2	2447.9	2468.8	2478.4	2475.2
20°	2391.5	2399.6	2420.5	2435.0	2428.6
22.5°	2333.6	2343.3	2367.4	2383.5	2377.1
25°	2269.2	2283.7	2309.5	2333.6	2325.6
27.5°	2204.9	2220.9	2253.1	2277.3	2274.1
30°	2134.0	2155.0	2188.8	2219.3	2212.9
32.5°	2061.6	2085.8	2121.2	2153.4	2151.7
35°	1986.0	2011.7	2050.4	2087.4	2085.8
37.5°	1905.5	1936.1	1976.3	2016.6	2018.2
40°	1826.6	1855.6	1900.7	1944.1	1945.7
42.5°	1743.0	1773.5	1821.8	1866.9	1868.5
45°	1654.4	1689.8	1738.1	1786.4	1794.5
47.5°	1564.3	1601.3	1651.2	1702.7	1712.4
50°	1471.0	1509.6	1562.7	1617.4	1627.1
52.5°	1376.0	1416.3	1471.0	1525.7	1540.2
55°	1282.7	1319.7	1379.2	1438.8	1451.7
57.5°	1184.5	1218.3	1282.7	1345.4	1361.5
60°	1076.7	1118.5	1184.5	1247.3	1273.0
62.5°	972.1	1017.1	1084.7	1147.5	1176.5
65°	867.5	912.5	981.7	1047.7	1076.7
67.5°	761.2	807.9	881.9	944.7	976.9
70°	655.0	701.7	772.5	840.1	873.9
72.5°	548.8	598.7	667.9	737.1	770.9
75°	441.0	492.5	563.3	630.9	672.7
77.5°	339.6	389.5	460.3	529.5	564.9
80°	243.0	292.9	362.1	431.3	468.3
82.5°	154.5	201.2	268.8	326.7	360.5
85°	80.5	119.1	170.6	189.9	212.4
87.5°	24.1	46.7	66.0	74.0	91.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1589993

CATALOG NUMBER: 24CZSP-SB-75-L830

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	17.1	18.7	17.4	19.0	19.4
	3H	18.1	19.6	18.5	19.9	20.3	19.2	20.7	19.5	21.0	21.4
	4H	18.7	20.1	19.1	20.5	20.9	20.0	21.5	20.4	21.8	22.2
	6H	19.1	20.4	19.5	20.8	21.2	20.8	22.1	21.2	22.5	22.9
	8H	19.2	20.5	19.7	20.9	21.3	21.1	22.4	21.6	22.8	23.2
	12H	19.3	20.5	19.7	20.9	21.3	21.3	22.6	21.8	22.9	23.4
4H	2H	17.1	18.5	17.5	18.9	19.2	17.7	19.1	18.1	19.4	19.8
	3H	19.1	20.3	19.5	20.7	21.1	20.0	21.2	20.4	21.6	22.0
	4H	19.8	20.9	20.3	21.3	21.8	21.0	22.1	21.5	22.5	23.0
	6H	20.4	21.3	20.8	21.8	22.2	22.0	22.9	22.4	23.4	23.8
	8H	20.5	21.4	21.0	21.9	22.3	22.3	23.2	22.8	23.7	24.1
	12H	20.6	21.4	21.1	21.9	22.4	22.6	23.4	23.1	23.9	24.4
8H	4H	20.3	21.2	20.8	21.6	22.1	21.3	22.2	21.8	22.7	23.1
	6H	21.0	21.7	21.5	22.2	22.7	22.4	23.2	22.9	23.6	24.1
	8H	21.2	21.9	21.7	22.4	22.8	22.9	23.6	23.4	24.1	24.6
	12H	21.3	21.9	21.8	22.4	23.0	23.3	23.9	23.8	24.4	24.9
12H	4H	20.4	21.2	20.9	21.7	22.1	21.4	22.2	21.8	22.6	23.1
	6H	21.1	21.8	21.6	22.2	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	24.7

(END OF REPORT)