

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: P1589999

Luminaire Tested: 24CZSP-SB-75-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589999
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-L845
Description: 2x4 CZSP LED Luminaire, 4500K CCT and 7500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

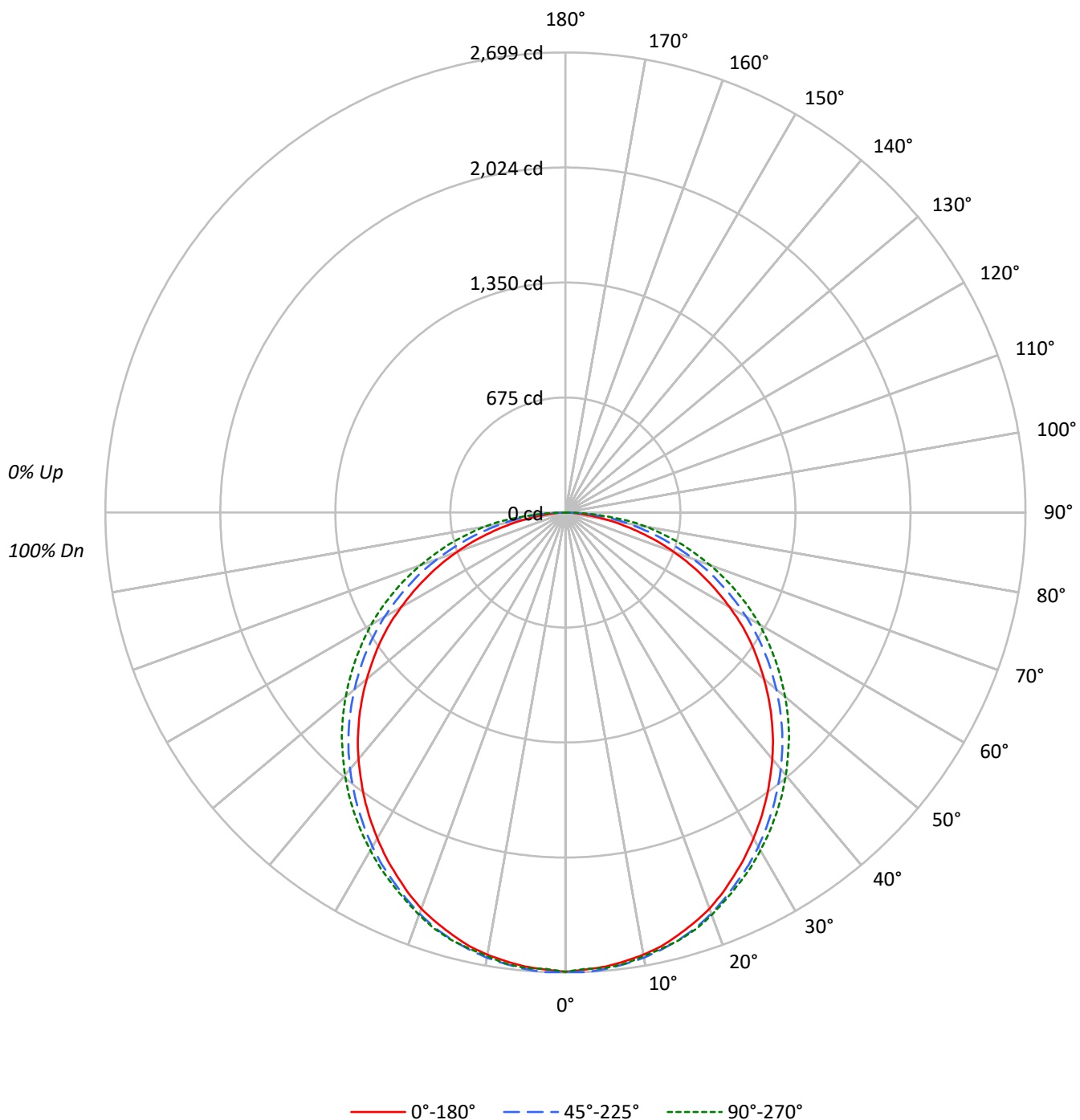
Lumens per Lamp: N/A
Luminaire Lumens: 7863.0 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	4127	4127	4127
5°	4112	4135	4125
10°	4097	4126	4110
15°	4066	4109	4114
20°	4031	4080	4093
25°	3965	4036	4064
30°	3903	4003	4047
35°	3840	3964	4033
40°	3777	3930	4023
45°	3706	3893	4019
50°	3624	3850	4009
55°	3542	3808	4008
60°	3410	3752	4032
65°	3251	3679	4035
70°	3033	3577	4047
75°	2698	3447	4116
80°	2217	3302	4272
85°	1462	3100	3861

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4375 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	3.2
10°-20°	729.5	9.3
20°-30°	1099.6	14.0
30°-40°	1324.2	16.8
40°-50°	1383.4	17.6
50°-60°	1271.0	16.2
60°-70°	1000.9	12.7
70°-80°	613.6	7.8
80°-90°	186.1	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°	2084.0	26.5
0°-40°	3408.1	43.3
0°-60°	6062.5	77.1
0°-90°	7863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7863.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2694	2694	2694	2694	2694	
5°	2674	2679	2689	2686	2683	254
15°	2564	2574	2591	2601	2594	724
25°	2346	2362	2388	2413	2405	1082
35°	2054	2080	2120	2158	2157	1284
45°	1711	1747	1797	1847	1856	1320
55°	1326	1365	1426	1488	1501	1183
65°	897	944	1015	1083	1113	887
75°	456	509	582	652	696	485
85°	83	123	176	196	220	107
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2694.3	2694.3	2694.3	2694.3	2694.3
2.5°	2684.4	2691.0	2699.3	2686.0	2679.4
5°	2674.4	2679.4	2689.3	2686.0	2682.7
7.5°	2656.1	2659.4	2672.7	2672.7	2669.4
10°	2634.4	2641.1	2652.7	2651.1	2642.7
12.5°	2606.1	2611.1	2624.4	2624.4	2619.4
15°	2564.5	2574.5	2591.2	2601.1	2594.5
17.5°	2521.3	2531.2	2552.9	2562.9	2559.5
20°	2473.0	2481.3	2503.0	2517.9	2511.3
22.5°	2413.1	2423.1	2448.0	2464.7	2458.0
25°	2346.5	2361.5	2388.1	2413.1	2404.8
27.5°	2280.0	2296.6	2329.9	2354.8	2351.5
30°	2206.7	2228.4	2263.3	2294.9	2288.3
32.5°	2131.8	2156.8	2193.4	2226.7	2225.0
35°	2053.6	2080.2	2120.2	2158.5	2156.8
37.5°	1970.4	2002.0	2043.6	2085.2	2086.9
40°	1888.9	1918.8	1965.4	2010.4	2012.0
42.5°	1802.3	1833.9	1883.9	1930.5	1932.1
45°	1710.8	1747.4	1797.3	1847.3	1855.6
47.5°	1617.6	1655.9	1707.5	1760.7	1770.7
50°	1521.1	1561.0	1615.9	1672.5	1682.5
52.5°	1422.9	1464.5	1521.1	1577.7	1592.6
55°	1326.4	1364.6	1426.2	1487.8	1501.1
57.5°	1224.8	1259.8	1326.4	1391.3	1407.9
60°	1113.3	1156.6	1224.8	1289.8	1316.4
62.5°	1005.2	1051.8	1121.7	1186.6	1216.5
65°	897.0	943.6	1015.2	1083.4	1113.3
67.5°	787.2	835.4	912.0	976.9	1010.2
70°	677.3	725.6	798.8	868.7	903.7
72.5°	567.5	619.1	690.6	762.2	797.2
75°	456.0	509.2	582.5	652.4	695.6
77.5°	351.1	402.7	476.0	547.5	584.1
80°	251.3	302.9	374.4	446.0	484.3
82.5°	159.8	208.0	277.9	337.8	372.8
85°	83.2	123.2	176.4	196.4	219.7
87.5°	25.0	48.3	68.2	76.6	94.9
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	16.4	18.1	16.8	18.4	18.7	17.2	18.8	17.5	19.2	19.5
	3H	18.2	19.7	18.6	20.0	20.4	19.3	20.8	19.7	21.1	21.5
	4H	18.8	20.2	19.2	20.6	21.0	20.2	21.6	20.6	21.9	22.3
	6H	19.2	20.6	19.6	20.9	21.3	20.9	22.3	21.3	22.6	23.0
	8H	19.3	20.6	19.8	21.0	21.4	21.2	22.5	21.7	22.9	23.3
	12H	19.4	20.6	19.8	21.0	21.4	21.5	22.7	21.9	23.0	23.5
4H	2H	17.2	18.6	17.6	19.0	19.4	17.8	19.2	18.2	19.6	19.9
	3H	19.2	20.4	19.6	20.8	21.2	20.1	21.3	20.5	21.7	22.1
	4H	20.0	21.0	20.4	21.5	21.9	21.2	22.2	21.6	22.7	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	22.5	23.4	22.9	23.8	24.3
	12H	20.7	21.5	21.2	22.0	22.5	22.7	23.5	23.2	24.0	24.5
8H	4H	20.4	21.3	20.9	21.7	22.2	21.5	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	23.8	24.2
	8H	21.3	22.0	21.8	22.5	23.0	23.0	23.7	23.5	24.2	24.7
	12H	21.5	22.0	22.0	22.5	23.1	23.4	24.0	23.9	24.5	25.0
12H	4H	20.5	21.3	21.0	21.8	22.2	21.5	22.3	22.0	22.8	23.2
	6H	21.2	21.9	21.7	22.4	22.9	22.6	23.3	23.1	23.7	24.3
	8H	21.5	22.1	22.0	22.6	23.1	23.1	23.7	23.6	24.2	24.8

(END OF REPORT)