

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: P1589855

Luminaire Tested: 24CZSP-SB-57-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1589855
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-57-L835
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 5000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

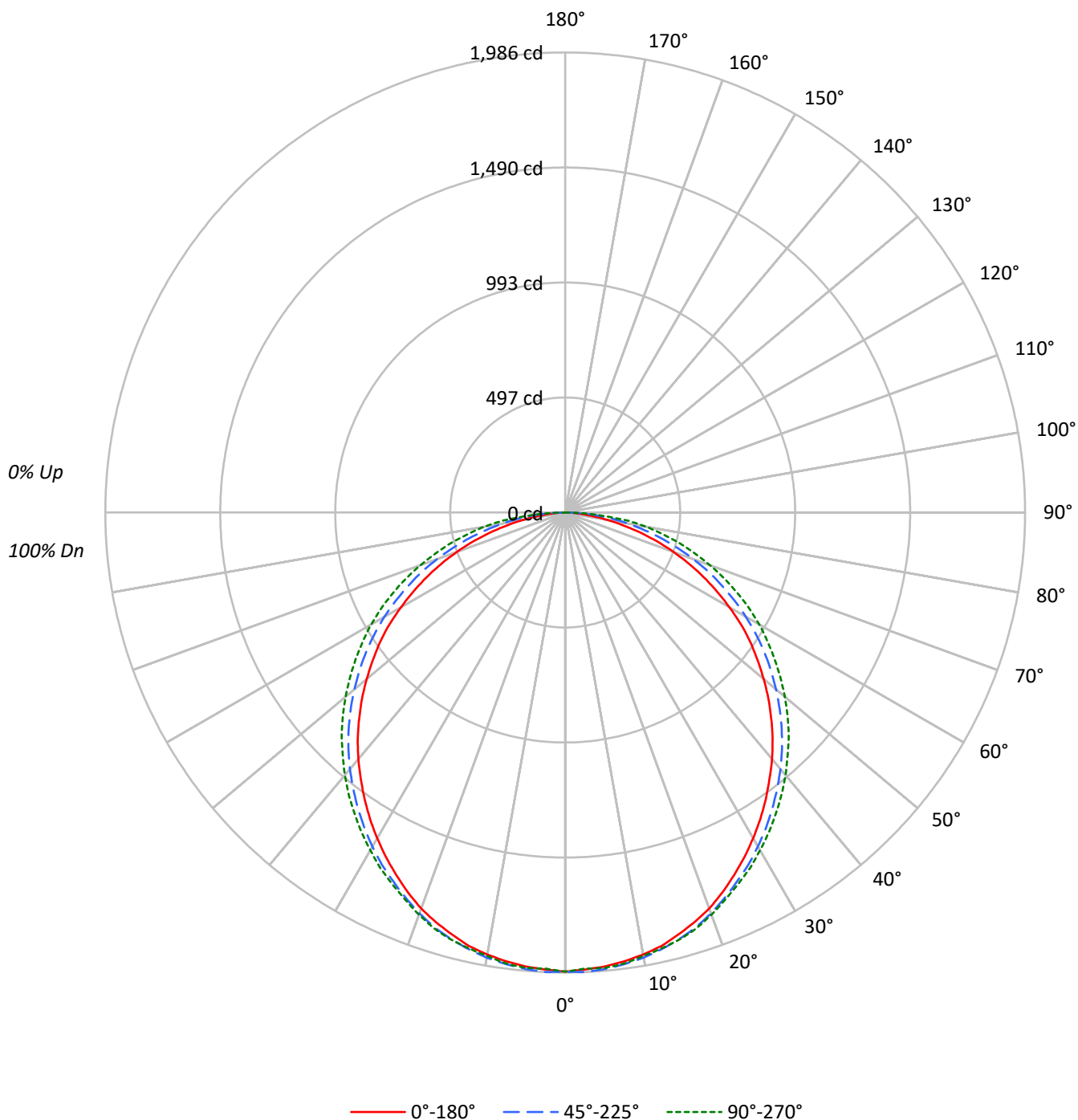
Lumens per Lamp: N/A
Luminaire Lumens: 5784.0 lumens
Efficiency: N/A
Efficacy: 141.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 40.9
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°	3036	3036	3036
5°	3025	3042	3034
10°	3014	3035	3023
15°	2991	3022	3026
20°	2965	3001	3011
25°	2917	2969	2989
30°	2871	2944	2977
35°	2824	2916	2966
40°	2778	2891	2959
45°	2726	2864	2957
50°	2666	2832	2949
55°	2605	2801	2949
60°	2509	2760	2966
65°	2391	2706	2968
70°	2231	2631	2977
75°	1985	2536	3028
80°	1631	2429	3142
85°	1075	2281	2840

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3218 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	3.2
10°-20°	536.6	9.3
20°-30°	808.8	14.0
30°-40°	974.0	16.8
40°-50°	1017.6	17.6
50°-60°	934.9	16.2
60°-70°	736.2	12.7
70°-80°	451.4	7.8
80°-90°	136.9	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°	1533.0	26.5
0°-40°	2507.0	43.3
0°-60°	4459.5	77.1
0°-90°	5784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1982	1982	1982	1982	1982	
5°	1967	1971	1978	1976	1973	187
15°	1886	1894	1906	1913	1908	532
25°	1726	1737	1757	1775	1769	796
35°	1511	1530	1560	1588	1586	945
45°	1258	1285	1322	1359	1365	971
55°	976	1004	1049	1094	1104	870
65°	660	694	747	797	819	652
75°	335	375	428	480	512	357
85°	61	91	130	144	162	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1981.9	1981.9	1981.9	1981.9	1981.9
2.5°	1974.6	1979.5	1985.6	1975.8	1970.9
5°	1967.3	1970.9	1978.3	1975.8	1973.4
7.5°	1953.8	1956.2	1966.0	1966.0	1963.6
10°	1937.9	1942.8	1951.3	1950.1	1944.0
12.5°	1917.1	1920.7	1930.5	1930.5	1926.9
15°	1886.5	1893.8	1906.0	1913.4	1908.5
17.5°	1854.6	1862.0	1877.9	1885.2	1882.8
20°	1819.1	1825.3	1841.2	1852.2	1847.3
22.5°	1775.1	1782.4	1800.8	1813.0	1808.1
25°	1726.1	1737.1	1756.7	1775.1	1768.9
27.5°	1677.1	1689.4	1713.9	1732.2	1729.8
30°	1623.3	1639.2	1664.9	1688.1	1683.2
32.5°	1568.2	1586.5	1613.5	1638.0	1636.7
35°	1510.6	1530.2	1559.6	1587.8	1586.5
37.5°	1449.4	1472.7	1503.3	1533.9	1535.1
40°	1389.4	1411.5	1445.8	1478.8	1480.0
42.5°	1325.8	1349.0	1385.8	1420.0	1421.3
45°	1258.5	1285.4	1322.1	1358.8	1365.0
47.5°	1189.9	1218.1	1256.0	1295.2	1302.5
50°	1118.9	1148.3	1188.7	1230.3	1237.6
52.5°	1046.7	1077.3	1118.9	1160.5	1171.5
55°	975.7	1003.8	1049.1	1094.4	1104.2
57.5°	901.0	926.7	975.7	1023.4	1035.7
60°	819.0	850.8	901.0	948.7	968.3
62.5°	739.4	773.7	825.1	872.8	894.9
65°	659.8	694.1	746.7	796.9	819.0
67.5°	579.0	614.5	670.8	718.6	743.1
70°	498.2	533.7	587.6	639.0	664.7
72.5°	417.4	455.4	508.0	560.7	586.4
75°	335.4	374.6	428.5	479.9	511.7
77.5°	258.3	296.3	350.1	402.8	429.7
80°	184.9	222.8	275.4	328.1	356.2
82.5°	117.5	153.0	204.4	248.5	274.2
85°	61.2	90.6	129.8	144.5	161.6
87.5°	18.4	35.5	50.2	56.3	69.8
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	15.4	17.0	15.7	17.3	17.7	16.1	17.8	16.5	18.1	18.4
	3H	17.1	18.6	17.5	19.0	19.3	18.2	19.7	18.6	20.0	20.4
	4H	17.8	19.2	18.2	19.5	19.9	19.1	20.5	19.5	20.9	21.2
	6H	18.2	19.5	18.6	19.9	20.2	19.9	21.2	20.3	21.5	21.9
	8H	18.3	19.5	18.7	19.9	20.3	20.2	21.4	20.6	21.8	22.2
	12H	18.3	19.5	18.8	19.9	20.3	20.4	21.6	20.8	22.0	22.4
4H	2H	16.1	17.6	16.5	17.9	18.3	16.7	18.1	17.1	18.5	18.9
	3H	18.1	19.3	18.5	19.7	20.1	19.0	20.2	19.5	20.6	21.0
	4H	18.9	20.0	19.3	20.4	20.8	20.1	21.2	20.5	21.6	22.0
	6H	19.4	20.4	19.9	20.8	21.3	21.0	22.0	21.5	22.4	22.9
	8H	19.6	20.5	20.0	20.9	21.4	21.4	22.3	21.9	22.7	23.2
	12H	19.7	20.5	20.1	20.9	21.4	21.7	22.5	22.2	23.0	23.4
8H	4H	19.3	20.2	19.8	20.7	21.1	20.4	21.3	20.8	21.7	22.2
	6H	20.0	20.8	20.5	21.2	21.7	21.5	22.2	22.0	22.7	23.2
	8H	20.2	20.9	20.7	21.4	21.9	22.0	22.6	22.5	23.1	23.6
	12H	20.4	21.0	20.9	21.5	22.0	22.3	22.9	22.8	23.4	24.0
12H	4H	19.4	20.2	19.9	20.7	21.2	20.4	21.2	20.9	21.7	22.2
	6H	20.2	20.8	20.7	21.3	21.8	21.5	22.2	22.1	22.7	23.2
	8H	20.4	21.0	20.9	21.5	22.1	22.1	22.7	22.6	23.2	23.7

(END OF REPORT)