

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: P1590006

Luminaire Tested: 24CZSP-SB-75-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1590006
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-L940-S
Description: 2x4 CZSP LED Luminaire, 4000K CCT and 7500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

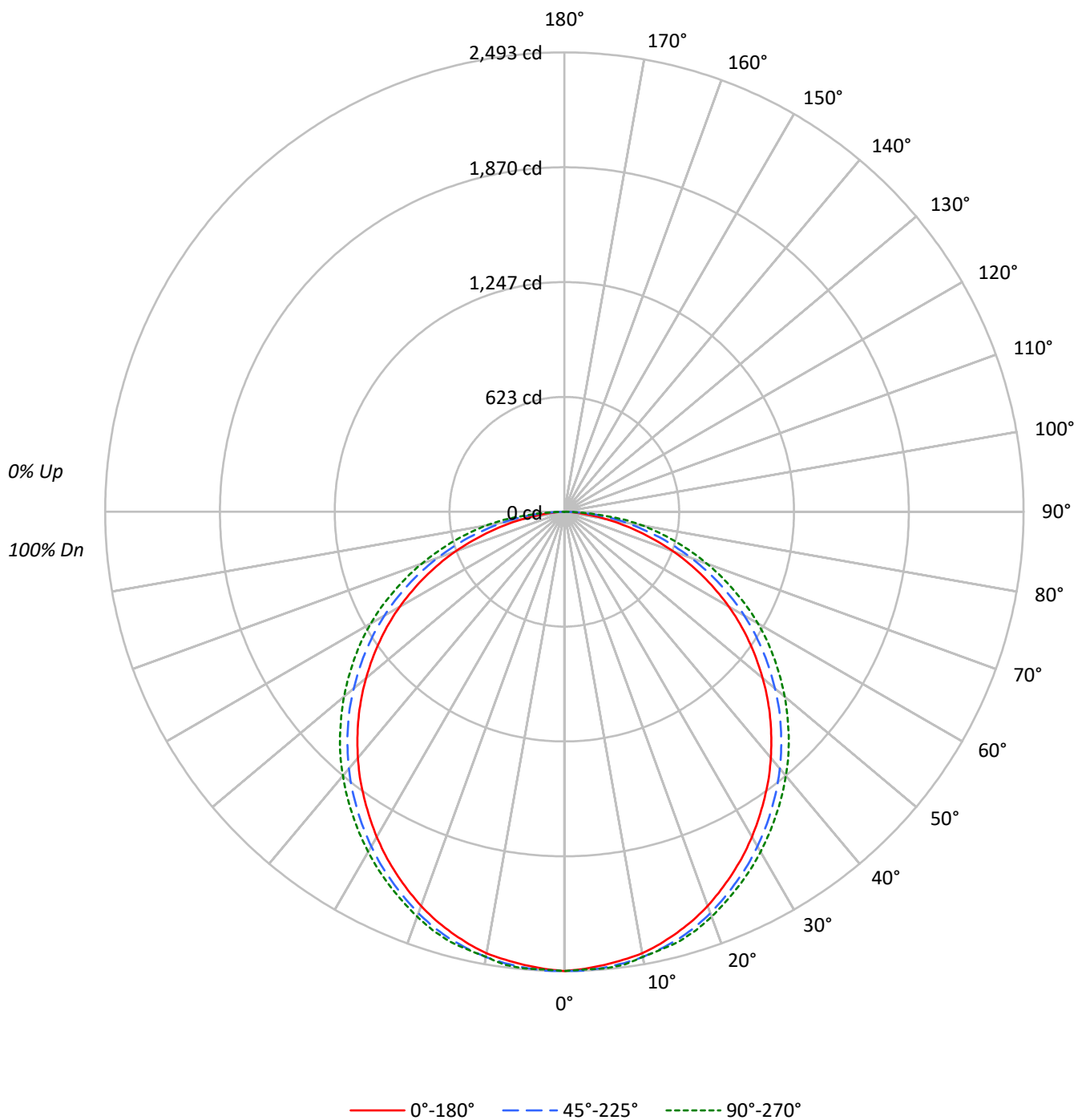
Lumens per Lamp: N/A
Luminaire Lumens: 7251.0 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3818	3818	3818
5°	3796	3818	3825
10°	3785	3816	3814
15°	3750	3804	3826
20°	3709	3778	3811
25°	3656	3741	3788
30°	3603	3708	3768
35°	3544	3672	3751
40°	3487	3639	3739
45°	3423	3602	3730
50°	3349	3557	3720
55°	3266	3511	3715
60°	3163	3459	3718
65°	3019	3386	3697
70°	2822	3283	3688
75°	2501	3157	3702
80°	2037	2999	3811
85°	1316	2768	3290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3862 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.9	3.3
10°-20°	675.5	9.3
20°-30°	1018.5	14.0
30°-40°	1225.5	16.9
40°-50°	1278.3	17.6
50°-60°	1171.7	16.2
60°-70°	920.1	12.7
70°-80°	560.0	7.7
80°-90°	165.6	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°	1929.9	26.6
0°-40°	3155.3	43.5
0°-60°	5605.3	77.3
0°-90°	7251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2493	2493	2493	2493	2493	
5°	2469	2485	2483	2480	2488	235
15°	2365	2388	2399	2402	2413	667
25°	2164	2193	2213	2228	2242	997
35°	1895	1925	1964	1992	2006	1186
45°	1580	1613	1663	1702	1722	1218
55°	1223	1254	1315	1368	1391	1093
65°	833	864	934	997	1020	824
75°	423	462	534	597	626	448
85°	75	106	158	176	187	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2492.6	2492.6	2492.6	2492.6	2492.6
2.5°	2483.3	2495.8	2492.6	2481.7	2486.4
5°	2469.2	2484.8	2483.3	2480.2	2488.0
7.5°	2452.1	2469.2	2470.8	2470.8	2480.2
10°	2433.4	2450.5	2453.6	2449.0	2452.1
12.5°	2402.2	2422.4	2428.7	2428.7	2433.4
15°	2364.7	2388.1	2399.1	2402.2	2413.1
17.5°	2324.2	2349.1	2363.2	2371.0	2380.3
20°	2275.8	2302.3	2317.9	2327.3	2338.2
22.5°	2221.2	2250.9	2268.0	2277.4	2289.9
25°	2163.5	2193.2	2213.4	2227.5	2241.5
27.5°	2102.7	2130.8	2158.8	2176.0	2188.5
30°	2037.2	2066.8	2096.4	2118.3	2130.8
32.5°	1967.0	1998.2	2032.5	2055.9	2069.9
35°	1895.2	1924.9	1963.9	1991.9	2006.0
37.5°	1821.9	1853.1	1893.7	1923.3	1940.5
40°	1743.9	1776.7	1820.3	1853.1	1870.3
42.5°	1662.8	1694.0	1742.4	1779.8	1800.1
45°	1580.1	1612.9	1662.8	1701.8	1722.1
47.5°	1494.3	1525.5	1580.1	1625.4	1642.5
50°	1405.4	1435.1	1492.8	1541.1	1561.4
52.5°	1315.0	1346.2	1403.9	1455.3	1477.2
55°	1222.9	1254.1	1315.0	1368.0	1391.4
57.5°	1129.3	1160.5	1222.9	1277.5	1305.6
60°	1032.6	1063.8	1129.3	1185.5	1213.6
62.5°	932.8	965.5	1032.6	1090.3	1120.0
65°	833.0	864.2	934.4	996.7	1020.1
67.5°	733.1	764.3	833.0	895.4	923.4
70°	630.2	666.1	733.1	798.6	823.6
72.5°	522.6	563.1	630.2	698.8	723.8
75°	422.7	461.7	533.5	597.4	625.5
77.5°	324.4	366.6	433.6	499.2	527.2
80°	230.9	271.4	340.0	402.4	432.1
82.5°	146.6	182.5	251.1	307.3	329.1
85°	74.9	106.1	157.5	176.3	187.2
87.5°	21.8	37.4	56.2	70.2	78.0
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	16.2	17.8	16.5	18.1	18.4	16.9	18.5	17.3	18.9	19.2
	3H	17.9	19.4	18.3	19.8	20.1	19.0	20.5	19.3	20.8	21.2
	4H	18.5	20.0	18.9	20.3	20.7	19.8	21.3	20.2	21.6	22.0
	6H	19.0	20.3	19.4	20.6	21.0	20.6	21.9	21.0	22.3	22.6
	8H	19.1	20.3	19.5	20.7	21.1	20.9	22.1	21.3	22.5	22.9
	12H	19.1	20.3	19.5	20.7	21.1	21.1	22.3	21.5	22.7	23.1
4H	2H	16.9	18.3	17.3	18.7	19.1	17.5	18.9	17.9	19.3	19.6
	3H	18.9	20.1	19.3	20.5	20.9	19.8	21.0	20.2	21.4	21.8
	4H	19.7	20.7	20.1	21.2	21.6	20.8	21.9	21.3	22.3	22.8
	6H	20.2	21.1	20.6	21.6	22.0	21.7	22.7	22.2	23.1	23.6
	8H	20.3	21.2	20.8	21.7	22.1	22.1	23.0	22.6	23.4	23.9
	12H	20.4	21.2	20.9	21.7	22.2	22.4	23.2	22.8	23.6	24.1
8H	4H	20.1	21.0	20.6	21.4	21.9	21.1	22.0	21.6	22.5	22.9
	6H	20.8	21.5	21.3	22.0	22.5	22.2	22.9	22.7	23.4	23.9
	8H	21.0	21.6	21.5	22.1	22.6	22.7	23.3	23.2	23.8	24.3
	12H	21.1	21.7	21.6	22.2	22.7	23.0	23.6	23.5	24.1	24.6
12H	4H	20.2	21.0	20.7	21.5	21.9	21.1	21.9	21.6	22.4	22.9
	6H	20.9	21.6	21.4	22.0	22.6	22.2	22.9	22.8	23.4	23.9
	8H	21.2	21.8	21.7	22.2	22.8	22.8	23.4	23.3	23.8	24.4

(END OF REPORT)