

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P1588782

Luminaire Tested: 24CZSP-A-62-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-62-L930-S
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 5500 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

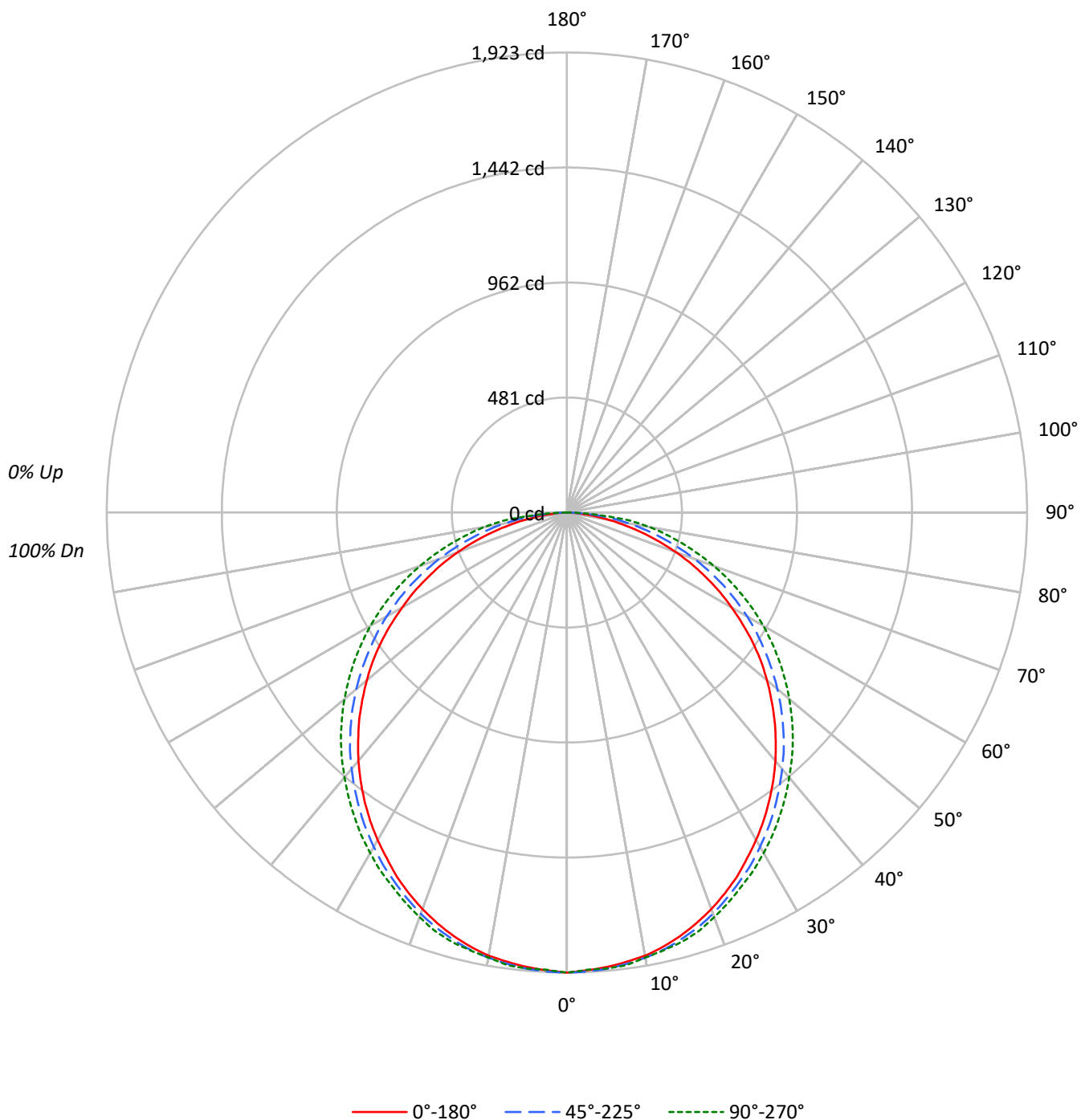
Lumens per Lamp: N/A
Luminaire Lumens: 5615.0 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 44.5
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: 24 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	69
3	89	79	70	64	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°	2946	2946	2946
5°	2932	2944	2942
10°	2926	2939	2938
15°	2905	2929	2946
20°	2876	2910	2934
25°	2840	2880	2915
30°	2796	2854	2907
35°	2755	2827	2898
40°	2710	2799	2890
45°	2658	2770	2893
50°	2601	2736	2892
55°	2533	2698	2895
60°	2438	2668	2902
65°	2326	2617	2911
70°	2168	2544	2924
75°	1932	2442	2953
80°	1597	2326	3097
85°	1039	2100	2706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.9	3.2
10°-20°	520.8	9.3
20°-30°	785.5	14.0
30°-40°	946.1	16.8
40°-50°	988.1	17.6
50°-60°	907.4	16.2
60°-70°	714.7	12.7
70°-80°	438.5	7.8
80°-90°	131.9	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°	1488.2	26.5
0°-40°	2434.3	43.4
0°-60°	4329.9	77.1
0°-90°	5615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5615.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1923	1923	1923	1923	1923	
5°	1907	1910	1915	1921	1913	181
15°	1832	1836	1847	1858	1858	517
25°	1681	1684	1704	1725	1725	774
35°	1474	1481	1512	1543	1550	922
45°	1227	1241	1279	1323	1336	946
55°	949	966	1010	1067	1084	847
65°	642	664	722	782	803	635
75°	326	352	413	478	499	346
85°	59	81	120	152	154	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1923.3	1923.3	1923.3	1923.3	1923.3
2.5°	1915.9	1919.6	1920.8	1922.1	1913.4
5°	1907.3	1909.7	1914.7	1920.8	1913.4
7.5°	1894.9	1897.4	1903.6	1912.2	1908.5
10°	1881.4	1882.6	1890.0	1896.2	1888.8
12.5°	1859.2	1862.9	1871.5	1876.5	1874.0
15°	1832.1	1835.8	1846.9	1858.0	1858.0
17.5°	1800.1	1805.0	1818.6	1833.3	1834.6
20°	1764.3	1768.0	1785.3	1800.1	1800.1
22.5°	1723.7	1728.6	1745.9	1761.9	1764.3
25°	1680.6	1684.3	1704.0	1724.9	1724.9
27.5°	1630.1	1637.4	1662.1	1683.0	1688.0
30°	1580.8	1586.9	1614.0	1639.9	1643.6
32.5°	1529.0	1536.4	1564.8	1593.1	1599.2
35°	1473.6	1481.0	1511.8	1542.6	1550.0
37.5°	1415.7	1424.3	1456.3	1492.1	1499.4
40°	1355.3	1365.2	1399.7	1437.8	1445.2
42.5°	1291.2	1304.8	1341.7	1381.2	1392.3
45°	1227.2	1240.7	1278.9	1323.3	1335.6
47.5°	1159.4	1175.4	1214.8	1261.7	1275.2
50°	1091.6	1107.6	1148.3	1198.8	1213.6
52.5°	1022.6	1038.6	1080.5	1133.5	1149.5
55°	948.7	966.0	1010.3	1067.0	1084.2
57.5°	872.3	894.5	941.3	999.2	1016.5
60°	795.9	818.1	871.1	927.8	947.5
62.5°	720.8	741.7	795.9	856.3	877.2
65°	641.9	664.1	722.0	782.4	803.3
67.5°	564.3	586.5	644.4	707.2	729.4
70°	484.2	508.9	568.0	630.8	653.0
72.5°	404.1	430.0	490.4	554.4	575.4
75°	326.5	352.4	412.7	478.0	499.0
77.5°	250.1	278.5	337.6	404.1	423.8
80°	181.1	208.2	263.7	329.0	351.1
82.5°	115.8	139.2	194.7	256.3	272.3
85°	59.1	81.3	119.5	151.5	154.0
87.5°	18.5	25.9	39.4	59.1	60.4
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	15.23	16.89	15.60	17.21	17.52	16.06	17.72	16.43	18.04	18.35
	3H	16.99	18.49	17.36	18.82	19.18	18.18	19.69	18.55	20.01	20.37
	4H	17.61	19.03	18.00	19.38	19.75	19.07	20.49	19.46	20.84	21.21
	6H	18.02	19.34	18.43	19.70	20.09	19.85	21.17	20.26	21.53	21.92
	8H	18.12	19.39	18.55	19.78	20.17	20.17	21.43	20.59	21.82	22.22
	12H	18.18	19.39	18.60	19.77	20.20	20.38	21.59	20.81	21.97	22.40
4H	2H	16.00	17.43	16.40	17.77	18.15	16.65	18.07	17.05	18.42	18.79
	3H	17.98	19.18	18.39	19.58	19.97	19.00	20.20	19.41	20.60	21.00
	4H	18.72	19.80	19.15	20.22	20.65	20.06	21.14	20.49	21.56	21.99
	6H	19.25	20.20	19.70	20.64	21.09	21.01	21.96	21.46	22.40	22.85
	8H	19.39	20.28	19.85	20.73	21.19	21.41	22.30	21.87	22.74	23.20
	12H	19.48	20.28	19.96	20.75	21.22	21.68	22.49	22.16	22.96	23.43
8H	4H	19.18	20.07	19.64	20.51	20.97	20.35	21.24	20.80	21.68	22.14
	6H	19.84	20.58	20.33	21.07	21.54	21.46	22.20	21.95	22.69	23.16
	8H	20.05	20.72	20.56	21.22	21.71	21.97	22.64	22.48	23.14	23.63
	12H	20.19	20.78	20.69	21.27	21.83	22.36	22.95	22.86	23.44	24.00
12H	4H	19.27	20.07	19.75	20.54	21.01	20.37	21.17	20.85	21.65	22.12
	6H	19.97	20.64	20.48	21.14	21.63	21.50	22.17	22.01	22.68	23.16
	8H	20.25	20.84	20.75	21.33	21.89	22.08	22.67	22.59	23.16	23.72