

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: P1588862

Luminaire Tested: 24CZSP-A-75-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588862
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-75-L930-S
Description: 2x4 CZSP LED Luminaire, 3000K CCT and 7500 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

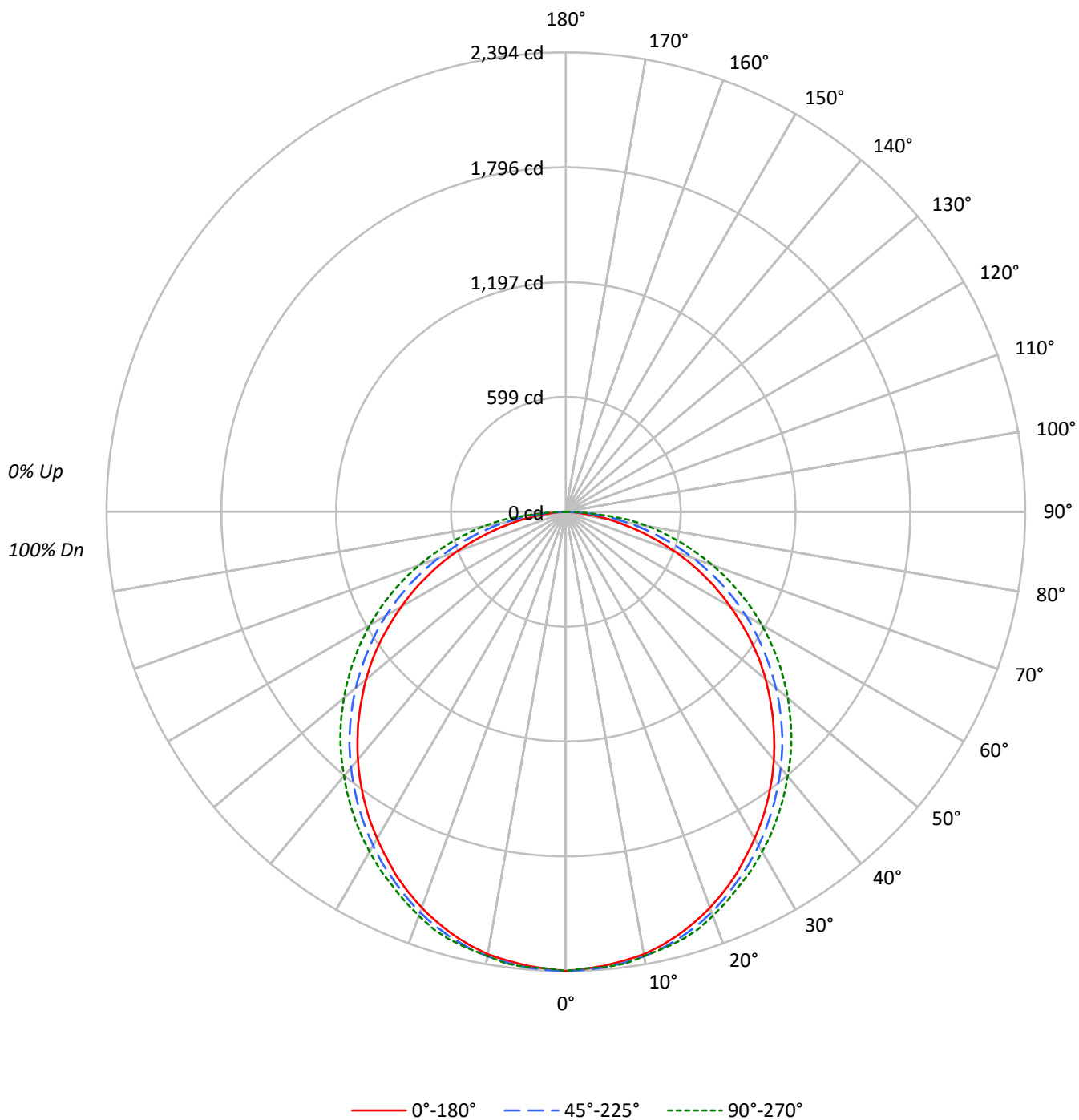
Lumens per Lamp: N/A
Luminaire Lumens: 6988.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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: 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°	3666	3666	3666
5°	3649	3663	3661
10°	3641	3658	3656
15°	3615	3645	3667
20°	3579	3621	3651
25°	3535	3584	3628
30°	3479	3553	3618
35°	3429	3518	3607
40°	3372	3483	3596
45°	3308	3447	3600
50°	3237	3405	3599
55°	3153	3358	3603
60°	3034	3321	3612
65°	2895	3256	3623
70°	2699	3166	3639
75°	2404	3040	3675
80°	1988	2894	3854
85°	1293	2613	3369

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	3.2
10°-20°	648.2	9.3
20°-30°	977.6	14.0
30°-40°	1177.5	16.8
40°-50°	1229.7	17.6
50°-60°	1129.3	16.2
60°-70°	889.5	12.7
70°-80°	545.7	7.8
80°-90°	164.2	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°	1852.1	26.5
0°-40°	3029.6	43.4
0°-60°	5388.6	77.1
0°-90°	6988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2394	2394	2394	2394	2394	
5°	2374	2377	2383	2390	2381	226
15°	2280	2285	2298	2312	2312	643
25°	2092	2096	2121	2147	2147	963
35°	1834	1843	1881	1920	1929	1147
45°	1527	1544	1592	1647	1662	1178
55°	1181	1202	1257	1328	1349	1054
65°	799	826	898	974	1000	790
75°	406	438	514	595	621	431
85°	74	101	149	189	192	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2393.6	2393.6	2393.6	2393.6	2393.6
2.5°	2384.4	2389.0	2390.5	2392.0	2381.3
5°	2373.6	2376.7	2382.8	2390.5	2381.3
7.5°	2358.3	2361.4	2369.0	2379.8	2375.2
10°	2341.4	2343.0	2352.2	2359.8	2350.6
12.5°	2313.8	2318.4	2329.2	2335.3	2332.2
15°	2280.1	2284.7	2298.5	2312.3	2312.3
17.5°	2240.2	2246.4	2263.2	2281.6	2283.2
20°	2195.8	2200.4	2221.8	2240.2	2240.2
22.5°	2145.2	2151.3	2172.8	2192.7	2195.8
25°	2091.5	2096.1	2120.6	2146.7	2146.7
27.5°	2028.6	2037.8	2068.5	2094.6	2100.7
30°	1967.3	1975.0	2008.7	2040.9	2045.5
32.5°	1902.9	1912.1	1947.4	1982.6	1990.3
35°	1833.9	1843.1	1881.4	1919.8	1929.0
37.5°	1761.8	1772.6	1812.4	1856.9	1866.1
40°	1686.7	1699.0	1741.9	1789.4	1798.6
42.5°	1607.0	1623.8	1669.8	1718.9	1732.7
45°	1527.2	1544.1	1591.6	1646.8	1662.2
47.5°	1442.9	1462.8	1511.9	1570.2	1587.0
50°	1358.6	1378.5	1429.1	1492.0	1510.4
52.5°	1272.7	1292.6	1344.8	1410.7	1430.6
55°	1180.7	1202.2	1257.4	1327.9	1349.4
57.5°	1085.6	1113.2	1171.5	1243.6	1265.0
60°	990.6	1018.2	1084.1	1154.6	1179.2
62.5°	897.0	923.1	990.6	1065.7	1091.8
65°	798.9	826.5	898.5	973.7	999.8
67.5°	702.3	729.9	801.9	880.1	907.7
70°	602.6	633.3	706.9	785.1	812.7
72.5°	502.9	535.1	610.3	690.0	716.1
75°	406.3	438.5	513.7	594.9	621.0
77.5°	311.3	346.5	420.1	502.9	527.5
80°	225.4	259.1	328.1	409.4	437.0
82.5°	144.1	173.3	242.3	318.9	338.9
85°	73.6	101.2	148.7	188.6	191.7
87.5°	23.0	32.2	49.1	73.6	75.1
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	15.99	17.65	16.36	17.97	18.28	16.82	18.48	17.19	18.80	19.11
	3H	17.75	19.25	18.12	19.58	19.94	18.94	20.45	19.31	20.77	21.13
	4H	18.37	19.79	18.76	20.14	20.51	19.83	21.25	20.22	21.60	21.97
	6H	18.78	20.10	19.19	20.46	20.85	20.61	21.93	21.02	22.29	22.68
	8H	18.88	20.15	19.31	20.54	20.93	20.93	22.19	21.35	22.58	22.98
	12H	18.94	20.15	19.36	20.53	20.96	21.14	22.35	21.57	22.73	23.16
4H	2H	16.76	18.19	17.16	18.53	18.91	17.41	18.83	17.81	19.18	19.55
	3H	18.74	19.94	19.15	20.34	20.73	19.76	20.96	20.17	21.36	21.76
	4H	19.48	20.56	19.91	20.98	21.41	20.82	21.90	21.25	22.32	22.75
	6H	20.01	20.96	20.46	21.40	21.85	21.77	22.72	22.22	23.16	23.61
	8H	20.15	21.04	20.61	21.49	21.95	22.17	23.06	22.63	23.50	23.96
	12H	20.24	21.04	20.71	21.51	21.98	22.44	23.25	22.92	23.72	24.19
8H	4H	19.94	20.83	20.40	21.27	21.73	21.11	22.00	21.56	22.44	22.90
	6H	20.60	21.34	21.09	21.83	22.30	22.22	22.96	22.71	23.45	23.92
	8H	20.81	21.48	21.32	21.98	22.47	22.73	23.40	23.24	23.90	24.39
	12H	20.95	21.54	21.45	22.03	22.59	23.12	23.71	23.62	24.20	24.76
12H	4H	20.03	20.83	20.50	21.30	21.77	21.13	21.93	21.61	22.41	22.88
	6H	20.73	21.40	21.24	21.90	22.39	22.26	22.93	22.77	23.44	23.92
	8H	21.01	21.60	21.51	22.09	22.65	22.84	23.43	23.35	23.92	24.48