

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: P1588530

Luminaire Tested: 24CZSP-75-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588530
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-75-L950-S
Description: 2x4 CZSP LED Luminaire, 5000K CCT and 7500 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

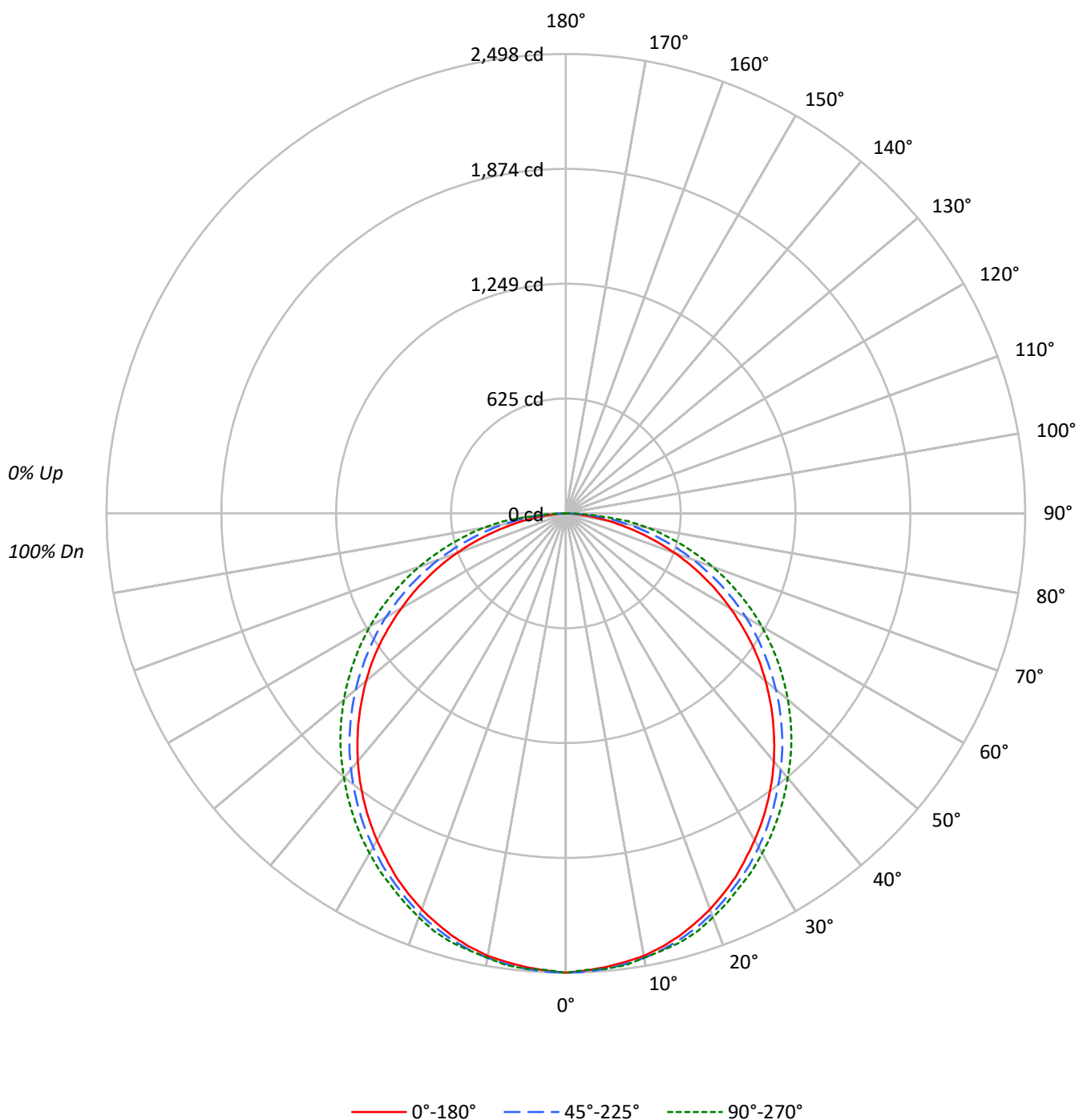
Lumens per Lamp: N/A
Luminaire Lumens: 7292.0 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	3826	3826	3826
5°	3808	3823	3820
10°	3800	3817	3815
15°	3773	3803	3826
20°	3735	3779	3810
25°	3688	3740	3786
30°	3631	3707	3775
35°	3578	3671	3764
40°	3519	3634	3753
45°	3452	3598	3757
50°	3378	3553	3756
55°	3290	3504	3760
60°	3166	3465	3769
65°	3021	3398	3781
70°	2816	3303	3797
75°	2509	3172	3835
80°	2075	3020	4022
85°	1350	2727	3515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4149 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.2	3.2
10°-20°	676.4	9.3
20°-30°	1020.1	14.0
30°-40°	1228.7	16.8
40°-50°	1283.2	17.6
50°-60°	1178.5	16.2
60°-70°	928.1	12.7
70°-80°	569.4	7.8
80°-90°	171.4	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°	1932.7	26.5
0°-40°	3161.4	43.4
0°-60°	5623.1	77.1
0°-90°	7292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2498	2498	2498	2498	2498	
5°	2477	2480	2486	2494	2485	235
15°	2379	2384	2398	2413	2413	671
25°	2182	2187	2213	2240	2240	1005
35°	1914	1923	1963	2003	2013	1197
45°	1594	1611	1661	1718	1734	1229
55°	1232	1254	1312	1386	1408	1100
65°	834	862	938	1016	1043	825
75°	424	458	536	621	648	450
85°	77	106	155	197	200	100
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2497.7	2497.7	2497.7	2497.7	2497.7
2.5°	2488.1	2492.9	2494.5	2496.1	2484.9
5°	2476.9	2480.1	2486.5	2494.5	2484.9
7.5°	2460.9	2464.1	2472.1	2483.3	2478.5
10°	2443.3	2444.9	2454.5	2462.5	2452.9
12.5°	2414.5	2419.3	2430.5	2436.9	2433.7
15°	2379.3	2384.1	2398.5	2412.9	2412.9
17.5°	2337.7	2344.1	2361.7	2380.9	2382.5
20°	2291.3	2296.1	2318.5	2337.7	2337.7
22.5°	2238.5	2244.9	2267.3	2288.1	2291.3
25°	2182.5	2187.3	2212.9	2240.1	2240.1
27.5°	2116.9	2126.5	2158.5	2185.7	2192.1
30°	2052.9	2060.9	2096.1	2129.7	2134.5
32.5°	1985.7	1995.3	2032.1	2068.9	2076.9
35°	1913.7	1923.3	1963.3	2003.3	2012.9
37.5°	1838.5	1849.7	1891.3	1937.7	1947.3
40°	1760.1	1772.9	1817.7	1867.3	1876.9
42.5°	1676.9	1694.5	1742.5	1793.7	1808.1
45°	1593.7	1611.3	1660.9	1718.5	1734.5
47.5°	1505.7	1526.5	1577.7	1638.5	1656.1
50°	1417.7	1438.5	1491.3	1556.9	1576.1
52.5°	1328.1	1348.9	1403.3	1472.1	1492.9
55°	1232.1	1254.5	1312.1	1385.7	1408.1
57.5°	1132.8	1161.6	1222.5	1297.7	1320.1
60°	1033.6	1062.4	1131.2	1204.9	1230.5
62.5°	936.0	963.2	1033.6	1112.0	1139.2
65°	833.6	862.4	937.6	1016.0	1043.2
67.5°	732.8	761.6	836.8	918.4	947.2
70°	628.8	660.8	737.6	819.2	848.0
72.5°	524.8	558.4	636.8	720.0	747.2
75°	424.0	457.6	536.0	620.8	648.0
77.5°	324.8	361.6	438.4	524.8	550.4
80°	235.2	270.4	342.4	427.2	456.0
82.5°	150.4	180.8	252.8	332.8	353.6
85°	76.8	105.6	155.2	196.8	200.0
87.5°	24.0	33.6	51.2	76.8	78.4
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	16.14	17.80	16.50	18.12	18.43	16.97	18.63	17.33	18.95	19.26
	3H	17.89	19.40	18.27	19.73	20.09	19.09	20.59	19.46	20.92	21.28
	4H	18.51	19.94	18.91	20.28	20.66	19.98	21.40	20.37	21.74	22.12
	6H	18.92	20.25	19.33	20.61	21.00	20.76	22.08	21.17	22.44	22.83
	8H	19.03	20.29	19.46	20.68	21.08	21.08	22.34	21.50	22.73	23.13
	12H	19.08	20.29	19.51	20.68	21.10	21.29	22.50	21.72	22.88	23.31
4H	2H	16.91	18.33	17.31	18.68	19.06	17.56	18.98	17.96	19.33	19.70
	3H	18.89	20.09	19.30	20.48	20.88	19.91	21.11	20.32	21.51	21.91
	4H	19.63	20.71	20.06	21.12	21.56	20.96	22.05	21.40	22.46	22.90
	6H	20.15	21.11	20.61	21.55	22.00	21.92	22.87	22.37	23.31	23.76
	8H	20.30	21.19	20.76	21.63	22.10	22.31	23.21	22.77	23.65	24.11
	12H	20.38	21.19	20.86	21.66	22.13	22.59	23.39	23.07	23.87	24.34
8H	4H	20.08	20.98	20.54	21.42	21.88	21.25	22.15	21.71	22.59	23.05
	6H	20.75	21.49	21.24	21.98	22.45	22.37	23.11	22.86	23.60	24.07
	8H	20.96	21.62	21.46	22.13	22.61	22.88	23.55	23.38	24.05	24.54
	12H	21.10	21.69	21.60	22.18	22.74	23.26	23.85	23.77	24.34	24.90
12H	4H	20.17	20.98	20.65	21.45	21.92	21.28	22.08	21.76	22.56	23.02
	6H	20.88	21.55	21.38	22.05	22.54	22.41	23.08	22.92	23.59	24.07
	8H	21.16	21.75	21.66	22.24	22.80	22.99	23.58	23.50	24.07	24.63