

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: P1588865

Luminaire Tested: 24CZSP-A-75-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1588865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2604-747-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 24CZSP-A-75-L935
Description: 2x4 CZSP LED Luminaire, 3500K CCT and 7500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

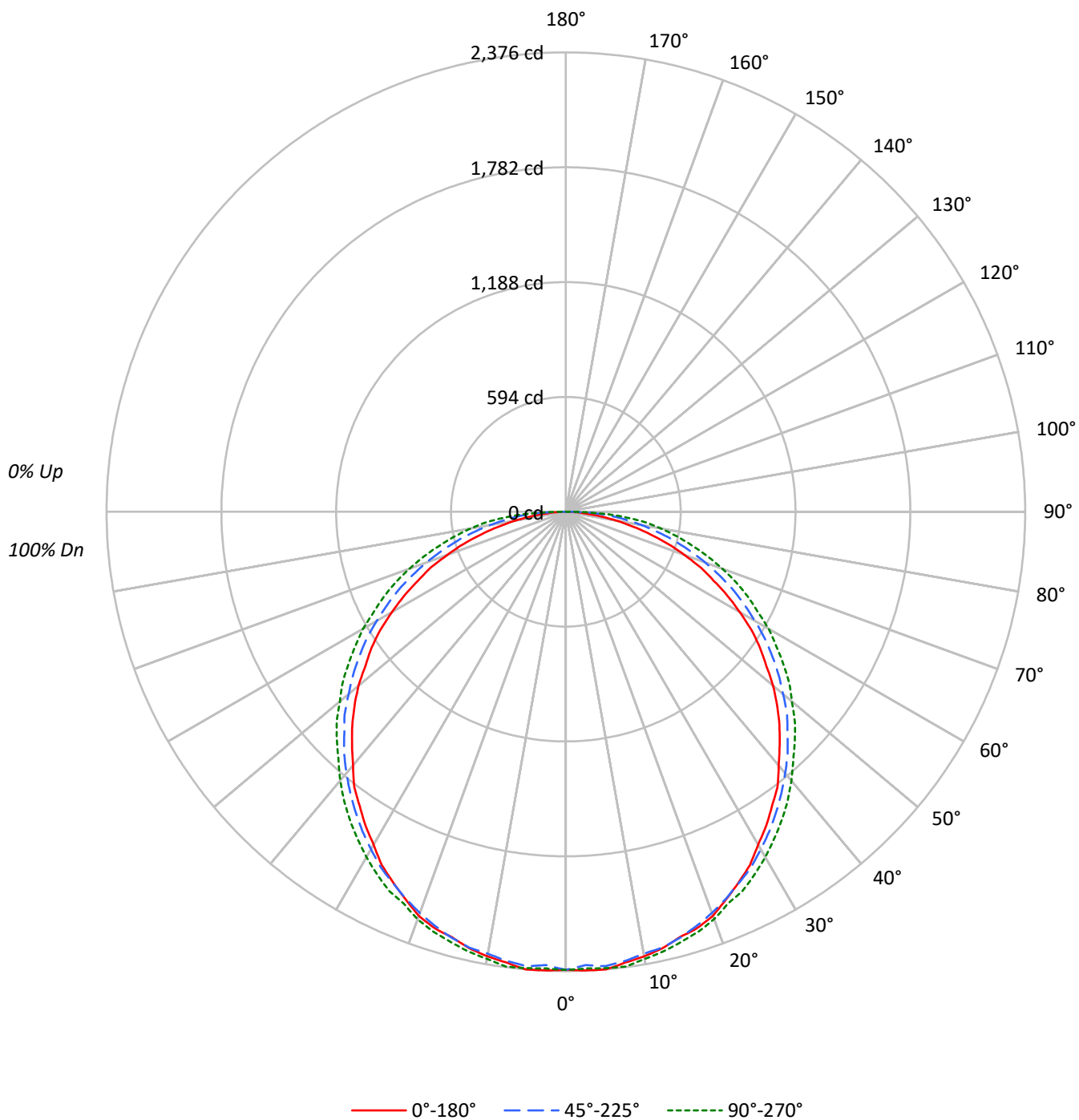
Lumens per Lamp: N/A
Luminaire Lumens: 7232.0 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.29 / 1.39
Luminous Opening: Rectangular (W 1.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	108	103	98	94	105	100	96	92	96	93	89	92	89	87	89	86	84	82		
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	70	67		
3	89	78	69	62	86	76	68	62	73	66	61	70	64	60	68	63	59	56		
4	81	69	60	53	79	67	59	52	65	57	51	62	56	51	60	55	50	48		
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41		
6	69	55	46	39	67	54	45	39	52	44	39	50	44	38	49	43	38	36		
7	64	50	41	35	62	49	40	34	47	40	34	46	39	34	45	38	34	32		
8	59	45	37	31	58	45	36	31	43	36	30	42	35	30	41	35	30	28		
9	55	42	33	28	54	41	33	28	40	33	27	39	32	27	38	32	27	25		
10	52	38	30	25	51	38	30	25	37	30	25	36	29	25	35	29	25	23		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3629	3629	3629
5°	3654	3627	3643
10°	3631	3610	3653
15°	3611	3617	3653
20°	3625	3599	3656
25°	3574	3580	3656
30°	3516	3565	3648
35°	3475	3546	3640
40°	3425	3529	3629
45°	3384	3511	3628
50°	3335	3496	3636
55°	3275	3483	3668
60°	3183	3459	3709
65°	3057	3459	3766
70°	2916	3436	3855
75°	2685	3444	3997
80°	2352	3514	4400
85°	1796	4049	5265

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 87.5°

Luminance: 5839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.0	3.1
10°-20°	646.7	8.9
20°-30°	982.3	13.6
30°-40°	1190.0	16.5
40°-50°	1251.9	17.3
50°-60°	1164.0	16.1
60°-70°	937.3	13.0
70°-80°	607.1	8.4
80°-90°	227.7	3.1
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°	1854.0	25.6
0°-40°	3043.9	42.1
0°-60°	5459.9	75.5
0°-90°	7232.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2369	2369	2369	2369	2369	
5°	2376	2373	2359	2373	2369	225
15°	2278	2286	2281	2309	2304	645
25°	2115	2113	2118	2155	2163	975
35°	1858	1872	1896	1929	1947	1164
45°	1562	1583	1621	1656	1675	1204
55°	1226	1257	1304	1356	1374	1094
65°	844	882	954	1012	1039	839
75°	454	499	582	650	676	482
85°	102	151	230	288	300	125
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2369.4	2369.4	2369.4	2369.4	2369.4
2.5°	2374.6	2374.6	2346.9	2376.3	2364.2
5°	2376.3	2372.8	2359.0	2372.8	2369.4
7.5°	2352.0	2355.5	2343.4	2360.7	2372.8
10°	2334.7	2338.2	2320.9	2348.6	2348.6
12.5°	2312.2	2315.7	2308.7	2334.7	2329.5
15°	2277.6	2286.2	2281.0	2308.7	2303.6
17.5°	2258.5	2251.6	2246.4	2267.2	2277.6
20°	2223.9	2208.3	2208.3	2236.0	2242.9
22.5°	2168.5	2163.3	2165.0	2199.6	2192.7
25°	2114.8	2113.0	2118.2	2154.6	2163.3
27.5°	2061.1	2057.6	2073.2	2107.8	2114.8
30°	1988.3	1995.3	2016.0	2054.1	2062.8
32.5°	1927.7	1939.8	1958.9	1995.3	2005.6
35°	1858.4	1872.3	1896.5	1929.4	1946.8
37.5°	1797.8	1806.5	1832.4	1863.6	1884.4
40°	1712.9	1735.5	1764.9	1809.9	1815.1
42.5°	1636.7	1659.2	1697.4	1745.8	1740.7
45°	1562.3	1583.0	1621.1	1655.8	1674.8
47.5°	1482.6	1501.6	1551.9	1593.4	1607.3
50°	1399.5	1423.7	1467.0	1510.3	1525.9
52.5°	1305.9	1331.9	1387.3	1434.1	1456.6
55°	1226.3	1257.4	1304.2	1356.2	1373.5
57.5°	1137.9	1163.9	1221.1	1273.0	1290.3
60°	1039.2	1070.4	1129.3	1184.7	1210.7
62.5°	943.9	978.6	1040.9	1098.1	1118.9
65°	843.5	881.6	954.3	1011.5	1039.2
67.5°	756.9	788.1	859.1	923.2	952.6
70°	651.2	692.8	767.3	838.3	860.8
72.5°	557.7	594.1	672.0	743.0	770.7
75°	453.8	498.8	581.9	649.5	675.5
77.5°	358.5	405.3	488.4	559.4	588.9
80°	266.7	311.8	398.4	471.1	498.8
82.5°	180.1	225.2	311.8	382.8	413.9
85°	102.2	150.7	230.4	287.5	299.6
87.5°	45.0	86.6	129.9	155.9	166.3
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	16.16	17.84	16.53	18.16	18.47	16.84	18.52	17.20	18.83	19.15
	3H	18.02	19.54	18.39	19.87	20.23	19.06	20.58	19.43	20.91	21.27
	4H	18.70	20.15	19.10	20.49	20.87	20.02	21.46	20.42	21.81	22.18
	6H	19.20	20.54	19.61	20.90	21.29	20.91	22.25	21.32	22.62	23.01
	8H	19.34	20.63	19.77	21.02	21.41	21.31	22.60	21.74	22.99	23.38
	12H	19.43	20.66	19.86	21.05	21.47	21.67	22.91	22.10	23.29	23.72
4H	2H	16.96	18.40	17.35	18.75	19.12	17.48	18.92	17.87	19.27	19.64
	3H	19.04	20.26	19.45	20.66	21.06	19.94	21.16	20.34	21.55	21.95
	4H	19.86	20.97	20.29	21.39	21.82	21.06	22.17	21.49	22.59	23.02
	6H	20.49	21.46	20.94	21.90	22.36	22.13	23.11	22.59	23.55	24.00
	8H	20.69	21.60	21.14	22.04	22.51	22.62	23.54	23.08	23.98	24.44
	12H	20.82	21.65	21.30	22.12	22.59	23.08	23.90	23.56	24.38	24.84
8H	4H	20.37	21.29	20.83	21.73	22.19	21.41	22.32	21.86	22.76	23.23
	6H	21.16	21.92	21.65	22.41	22.88	22.66	23.42	23.15	23.91	24.38
	8H	21.44	22.13	21.95	22.63	23.12	23.28	23.97	23.79	24.47	24.96
	12H	21.66	22.27	22.16	22.76	23.32	23.89	24.50	24.39	24.99	25.55
12H	4H	20.48	21.31	20.96	21.78	22.25	21.45	22.27	21.92	22.75	23.21
	6H	21.32	22.02	21.83	22.52	23.00	22.73	23.42	23.24	23.93	24.41
	8H	21.69	22.31	22.20	22.80	23.35	23.44	24.05	23.94	24.54	25.09