

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: P1584793

Luminaire Tested: 14CZSP-A-75-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-75-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 7200 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

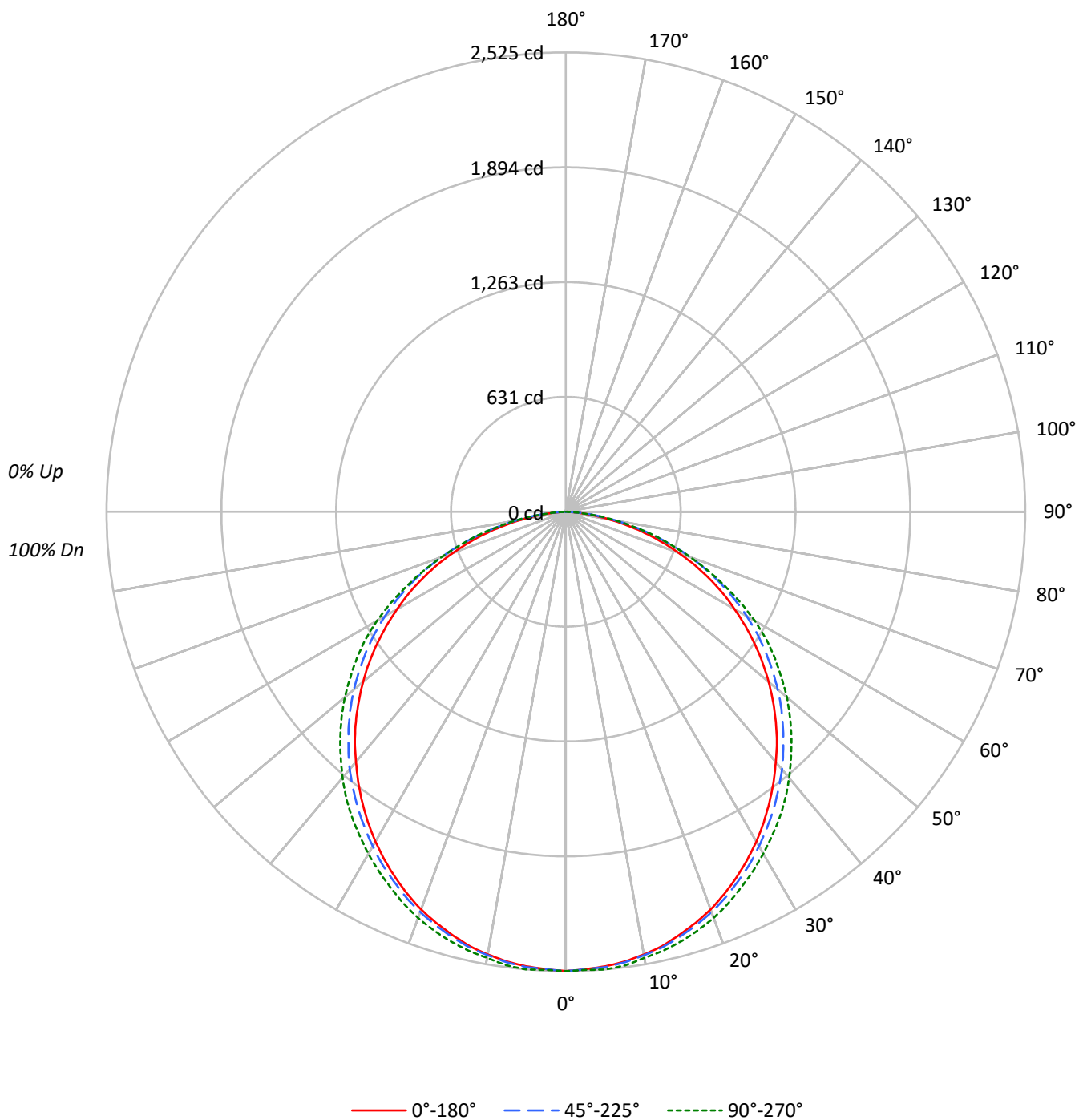
Lumens per Lamp: N/A
Luminaire Lumens: 7286.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 57.2
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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8509	8509	8509
5°	8483	8497	8541
10°	8455	8470	8521
15°	8402	8440	8530
20°	8342	8396	8520
25°	8248	8328	8472
30°	8144	8261	8446
35°	8023	8192	8432
40°	7896	8133	8399
45°	7782	8050	8358
50°	7632	7972	8311
55°	7449	7867	8236
60°	7220	7744	8079
65°	6941	7526	7681
70°	6512	7151	7151
75°	5849	6497	6524
80°	4820	5492	5492
85°	3340	4009	3507

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8358 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.2	3.3
10°-20°	685.0	9.4
20°-30°	1036.8	14.2
30°-40°	1251.6	17.2
40°-50°	1307.6	17.9
50°-60°	1197.9	16.4
60°-70°	923.5	12.7
70°-80°	521.1	7.2
80°-90°	123.3	1.7
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°	1961.0	26.9
0°-40°	3212.6	44.1
0°-60°	5718.1	78.5
0°-90°	7286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2525	2525	2525	2525	2525	
5°	2508	2525	2512	2516	2525	238
15°	2408	2424	2419	2439	2445	680
25°	2218	2238	2240	2270	2279	1022
35°	1950	1976	1992	2035	2050	1220
45°	1633	1661	1689	1739	1754	1259
55°	1268	1300	1339	1389	1402	1133
65°	870	899	944	976	963	860
75°	449	484	499	512	501	476
85°	86	97	104	110	91	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2525.1	2525.1	2525.1	2525.1	2525.1
2.5°	2516.5	2533.7	2516.5	2525.1	2520.8
5°	2507.8	2525.1	2512.1	2516.5	2525.1
7.5°	2492.7	2510.0	2497.0	2503.5	2514.3
10°	2471.1	2488.4	2475.4	2486.2	2490.5
12.5°	2445.2	2460.3	2451.7	2464.6	2471.1
15°	2408.5	2423.6	2419.3	2438.7	2445.2
17.5°	2369.6	2386.8	2382.5	2406.3	2412.8
20°	2326.4	2341.5	2341.5	2363.1	2376.0
22.5°	2274.5	2291.8	2294.0	2317.7	2330.7
25°	2218.4	2237.8	2240.0	2270.2	2278.8
27.5°	2157.9	2177.3	2186.0	2218.4	2227.0
30°	2093.1	2112.5	2123.3	2160.0	2170.8
32.5°	2024.0	2047.7	2058.5	2099.6	2110.4
35°	1950.5	1976.4	1991.6	2034.8	2049.9
37.5°	1874.9	1900.8	1920.3	1965.6	1982.9
40°	1795.0	1823.1	1849.0	1894.4	1909.5
42.5°	1717.2	1745.3	1769.1	1816.6	1831.7
45°	1633.0	1661.1	1689.2	1738.8	1754.0
47.5°	1544.4	1574.7	1607.1	1652.4	1671.9
50°	1455.9	1486.1	1520.7	1568.2	1585.5
52.5°	1363.0	1395.4	1429.9	1479.6	1492.6
55°	1267.9	1300.3	1339.2	1388.9	1401.9
57.5°	1170.7	1205.3	1246.3	1293.9	1306.8
60°	1071.4	1105.9	1149.1	1194.5	1198.8
62.5°	974.2	1004.4	1047.6	1090.8	1084.3
65°	870.5	898.6	943.9	976.3	963.4
67.5°	766.8	797.1	838.1	861.9	844.6
70°	661.0	693.4	725.8	743.1	725.8
72.5°	555.1	589.7	613.5	624.3	609.1
75°	449.3	483.9	499.0	511.9	501.1
77.5°	347.8	380.2	386.6	401.8	386.6
80°	248.4	278.6	283.0	298.1	283.0
82.5°	159.8	179.3	187.9	200.9	185.8
85°	86.4	97.2	103.7	110.2	90.7
87.5°	30.2	34.6	30.2	25.9	10.8
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	19.15	20.80	19.52	21.12	21.43	19.70	21.34	20.06	21.66	21.97
	3H	20.94	22.43	21.32	22.76	23.12	21.50	23.00	21.88	23.32	23.68
	4H	21.58	22.99	21.98	23.33	23.71	22.15	23.55	22.55	23.90	24.28
	6H	22.00	23.31	22.41	23.67	24.06	22.59	23.89	23.00	24.26	24.65
	8H	22.11	23.36	22.53	23.75	24.14	22.71	23.96	23.13	24.34	24.74
	12H	22.17	23.36	22.59	23.74	24.17	22.77	23.96	23.20	24.34	24.77
4H	2H	19.88	21.28	20.28	21.63	22.01	20.30	21.71	20.70	22.06	22.43
	3H	21.88	23.07	22.29	23.46	23.86	22.34	23.52	22.75	23.92	24.32
	4H	22.65	23.72	23.08	24.13	24.57	23.12	24.19	23.55	24.60	25.04
	6H	23.20	24.13	23.65	24.57	25.03	23.69	24.62	24.14	25.06	25.52
	8H	23.34	24.22	23.80	24.66	25.12	23.85	24.73	24.31	25.17	25.63
	12H	23.43	24.21	23.91	24.69	25.16	23.94	24.73	24.42	25.20	25.67
8H	4H	23.00	23.87	23.46	24.31	24.78	23.41	24.28	23.87	24.72	25.19
	6H	23.65	24.38	24.15	24.87	25.34	24.09	24.82	24.58	25.30	25.78
	8H	23.86	24.51	24.37	25.02	25.50	24.32	24.97	24.83	25.48	25.96
	12H	24.00	24.57	24.50	25.06	25.62	24.47	25.05	24.98	25.54	26.10
12H	4H	23.03	23.82	23.51	24.29	24.76	23.43	24.22	23.91	24.69	25.16
	6H	23.71	24.36	24.22	24.87	25.35	24.13	24.78	24.64	25.29	25.77
	8H	23.97	24.54	24.47	25.03	25.59	24.42	24.99	24.92	25.48	26.04