

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: P1584504

Luminaire Tested: 14CZSP-75-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584504
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-75-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 7200 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

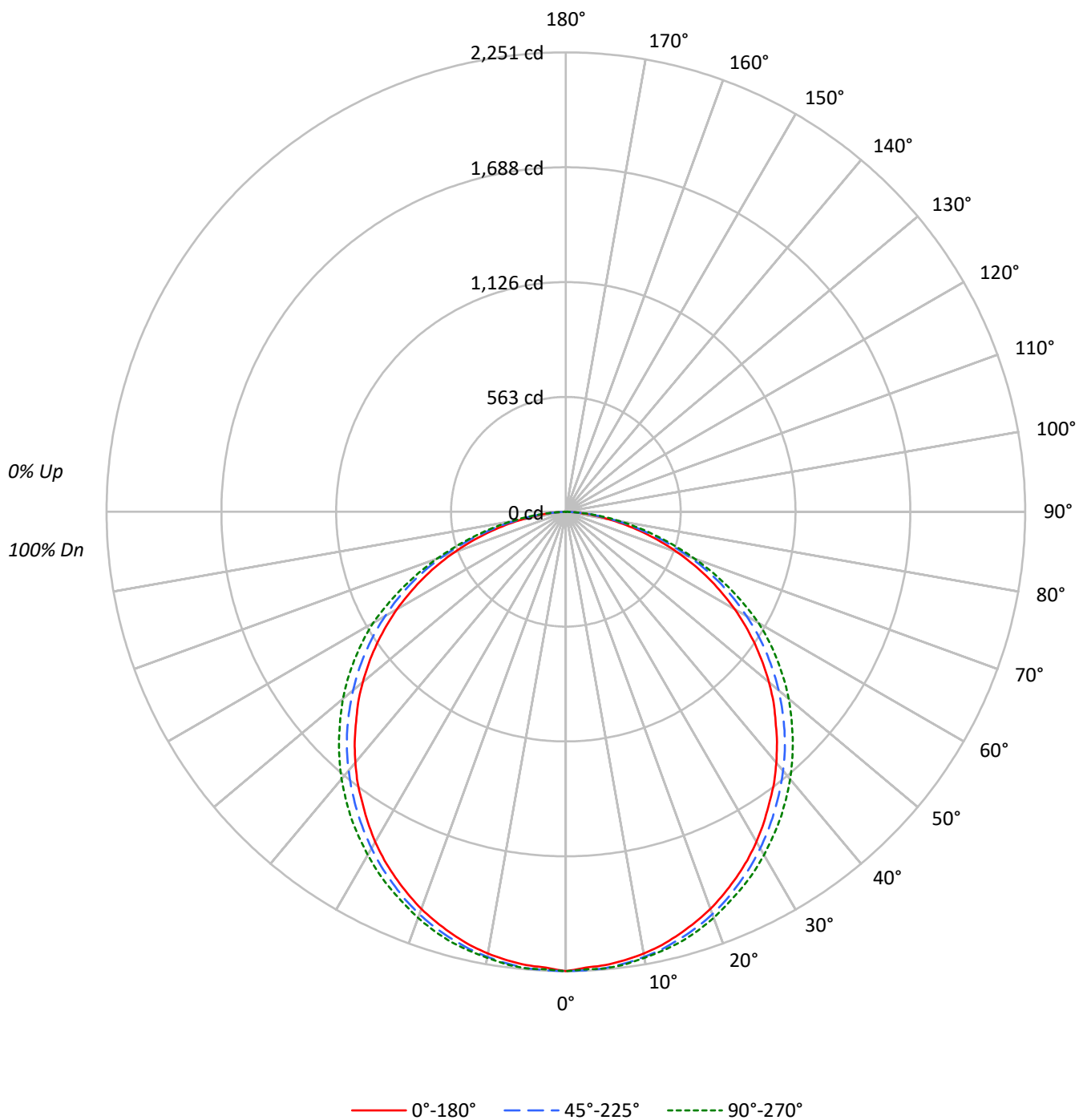
Lumens per Lamp: N/A
Luminaire Lumens: 6508.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	52		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	28		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°	7585	7585	7585
5°	7543	7592	7598
10°	7522	7578	7594
15°	7479	7556	7609
20°	7426	7526	7595
25°	7351	7469	7572
30°	7268	7410	7555
35°	7152	7345	7542
40°	7058	7286	7521
45°	6925	7221	7491
50°	6809	7136	7477
55°	6646	7034	7429
60°	6443	6895	7353
65°	6156	6706	7050
70°	5738	6333	6616
75°	5126	5711	6036
80°	4201	4814	5280
85°	2815	3518	3924

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.2	3.3
10°-20°	611.2	9.4
20°-30°	925.5	14.2
30°-40°	1117.7	17.2
40°-50°	1168.0	17.9
50°-60°	1070.3	16.4
60°-70°	826.2	12.7
70°-80°	464.7	7.1
80°-90°	111.2	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°	1749.9	26.9
0°-40°	2867.6	44.1
0°-60°	5105.9	78.5
0°-90°	6508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2251	2251	2251	2251	2251	
5°	2230	2246	2244	2246	2246	212
15°	2144	2161	2166	2174	2181	605
25°	1977	1994	2009	2019	2036	911
35°	1739	1761	1786	1810	1834	1089
45°	1453	1482	1515	1546	1572	1123
55°	1131	1161	1197	1235	1264	1011
65°	772	806	841	875	884	763
75°	394	430	439	457	464	417
85°	73	83	91	100	102	93
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2251.1	2251.1	2251.1	2251.1	2251.1
2.5°	2235.8	2253.0	2249.2	2255.0	2244.4
5°	2230.0	2246.3	2244.4	2246.3	2246.3
7.5°	2215.7	2232.9	2232.0	2234.8	2236.8
10°	2198.4	2214.7	2214.7	2217.6	2219.5
12.5°	2174.5	2191.7	2193.6	2198.4	2202.3
15°	2143.8	2161.1	2165.9	2174.5	2181.2
17.5°	2109.3	2127.6	2135.2	2143.8	2152.5
20°	2071.0	2087.3	2098.8	2105.5	2118.0
22.5°	2026.0	2044.2	2056.7	2063.4	2076.8
25°	1977.2	1994.4	2008.8	2019.3	2036.5
27.5°	1925.4	1942.7	1959.9	1972.4	1992.5
30°	1868.0	1886.2	1904.4	1923.5	1941.7
32.5°	1805.7	1826.8	1846.9	1868.0	1888.1
35°	1738.6	1760.7	1785.6	1809.5	1833.5
37.5°	1676.4	1696.5	1722.3	1748.2	1772.2
40°	1604.5	1626.6	1656.3	1685.0	1709.9
42.5°	1531.7	1555.7	1588.2	1616.0	1642.8
45°	1453.2	1481.9	1515.4	1546.1	1572.0
47.5°	1380.4	1405.3	1438.8	1472.3	1499.2
50°	1298.9	1326.7	1361.2	1396.7	1426.3
52.5°	1216.6	1245.3	1280.7	1316.2	1346.8
55°	1131.3	1161.0	1197.4	1234.8	1264.5
57.5°	1044.1	1075.7	1113.1	1150.5	1180.2
60°	956.0	987.6	1023.1	1064.3	1091.1
62.5°	864.0	899.5	933.0	971.3	987.6
65°	772.1	805.6	841.1	874.6	884.2
67.5°	678.2	712.7	744.3	766.3	778.8
70°	582.4	619.8	642.8	663.8	671.5
72.5°	487.6	524.9	538.4	558.5	566.1
75°	393.7	430.1	438.7	456.9	463.6
77.5°	302.7	336.2	339.1	360.2	365.9
80°	216.5	243.3	248.1	268.2	272.1
82.5°	138.9	158.1	164.8	182.0	187.8
85°	72.8	83.3	91.0	99.6	101.5
87.5°	23.9	29.7	24.9	25.9	23.9
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	18.75	20.40	19.12	20.72	21.03	19.29	20.94	19.66	21.26	21.57
	3H	20.53	22.02	20.90	22.35	22.71	21.15	22.64	21.53	22.97	23.33
	4H	21.15	22.56	21.55	22.91	23.28	21.82	23.22	22.22	23.57	23.95
	6H	21.56	22.87	21.97	23.23	23.62	22.29	23.60	22.70	23.96	24.35
	8H	21.67	22.91	22.09	23.30	23.70	22.44	23.69	22.86	24.08	24.47
	12H	21.72	22.91	22.14	23.29	23.72	22.52	23.72	22.95	24.10	24.53
4H	2H	19.48	20.88	19.87	21.23	21.61	19.90	21.31	20.30	21.65	22.03
	3H	21.47	22.65	21.88	23.05	23.45	21.97	23.15	22.38	23.55	23.95
	4H	22.23	23.30	22.66	23.71	24.14	22.77	23.83	23.20	24.25	24.68
	6H	22.76	23.69	23.21	24.13	24.58	23.37	24.30	23.82	24.74	25.20
	8H	22.90	23.77	23.36	24.21	24.68	23.56	24.43	24.02	24.88	25.34
	12H	22.97	23.76	23.45	24.23	24.70	23.68	24.47	24.16	24.94	25.41
8H	4H	22.57	23.44	23.02	23.88	24.35	23.04	23.92	23.50	24.36	24.82
	6H	23.21	23.93	23.70	24.42	24.89	23.76	24.48	24.25	24.97	25.44
	8H	23.41	24.06	23.91	24.56	25.05	24.01	24.66	24.52	25.17	25.65
	12H	23.53	24.11	24.04	24.60	25.16	24.19	24.77	24.70	25.26	25.82
12H	4H	22.60	23.39	23.08	23.86	24.33	23.07	23.85	23.55	24.33	24.80
	6H	23.26	23.91	23.77	24.42	24.90	23.79	24.44	24.30	24.95	25.44
	8H	23.51	24.09	24.02	24.58	25.14	24.10	24.67	24.61	25.16	25.72