

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: P1584510

Luminaire Tested: 14CZSP-75-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584510
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-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 7200 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

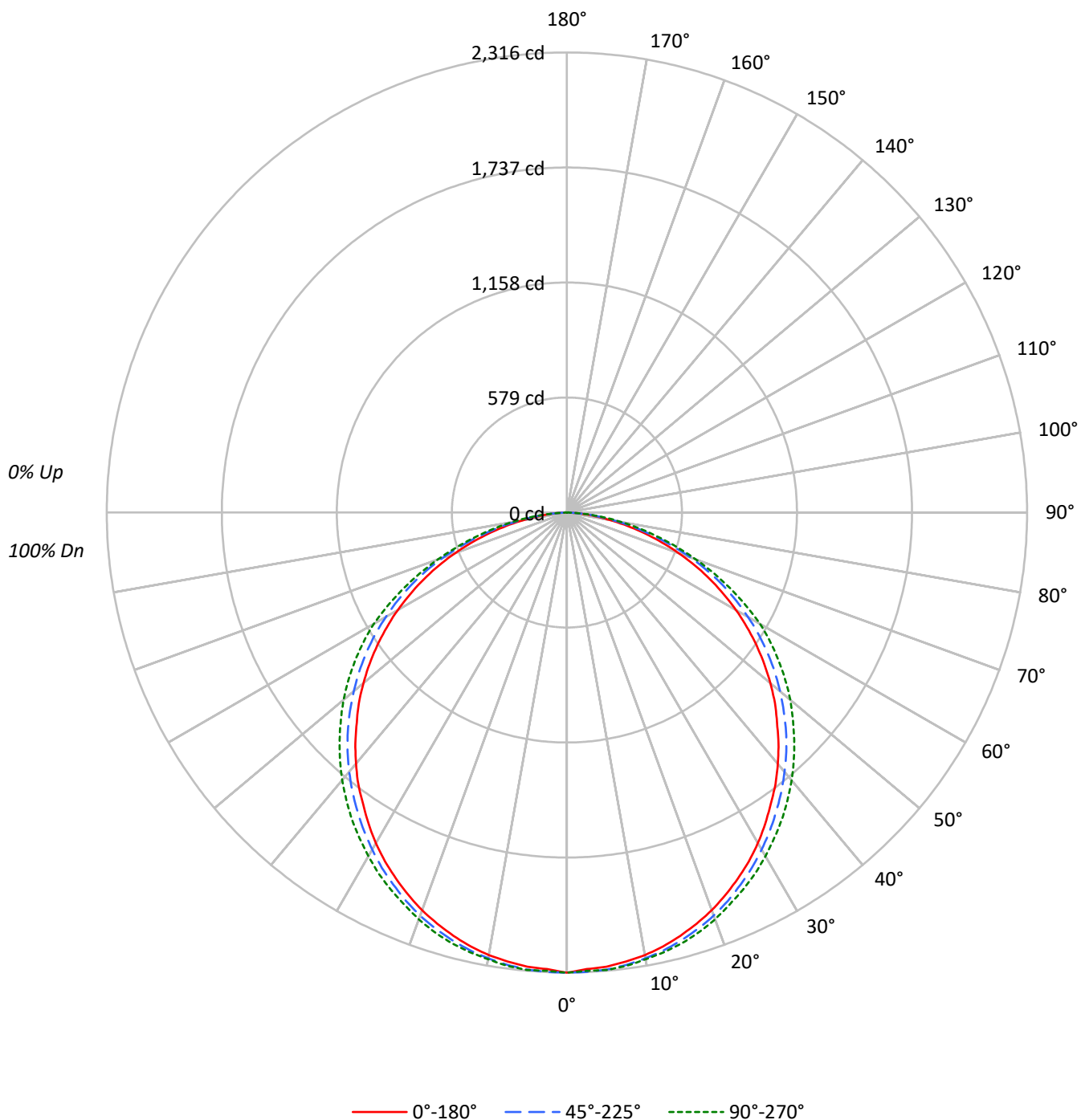
Lumens per Lamp: N/A
Luminaire Lumens: 6697.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	7806	7806	7806
5°	7762	7812	7819
10°	7741	7798	7815
15°	7696	7775	7830
20°	7642	7745	7815
25°	7564	7685	7792
30°	7479	7625	7774
35°	7359	7558	7761
40°	7263	7497	7740
45°	7126	7431	7708
50°	7007	7343	7694
55°	6839	7239	7644
60°	6630	7095	7567
65°	6335	6901	7254
70°	5904	6516	6808
75°	5274	5878	6211
80°	4323	4954	5433
85°	2896	3619	4040

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7708 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.4	3.3
10°-20°	629.0	9.4
20°-30°	952.4	14.2
30°-40°	1150.1	17.2
40°-50°	1201.9	17.9
50°-60°	1101.4	16.4
60°-70°	850.2	12.7
70°-80°	478.2	7.1
80°-90°	114.4	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°	1800.7	26.9
0°-40°	2950.8	44.1
0°-60°	5254.2	78.5
0°-90°	6697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2316	2316	2316	2316	2316	
5°	2295	2312	2310	2312	2312	218
15°	2206	2224	2229	2238	2244	623
25°	2035	2052	2067	2078	2096	938
35°	1789	1812	1837	1862	1887	1121
45°	1495	1525	1559	1591	1618	1156
55°	1164	1195	1232	1271	1301	1040
65°	794	829	866	900	910	785
75°	405	443	452	470	477	429
85°	75	86	94	102	104	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2316.5	2316.5	2316.5	2316.5	2316.5
2.5°	2300.7	2318.5	2314.5	2320.4	2309.6
5°	2294.8	2311.6	2309.6	2311.6	2311.6
7.5°	2280.0	2297.8	2296.8	2299.7	2301.7
10°	2262.3	2279.0	2279.0	2282.0	2284.0
12.5°	2237.6	2255.4	2257.4	2262.3	2266.2
15°	2206.1	2223.8	2228.8	2237.6	2244.5
17.5°	2170.6	2189.3	2197.2	2206.1	2215.0
20°	2131.2	2147.9	2159.8	2166.7	2179.5
22.5°	2084.8	2103.6	2116.4	2123.3	2137.1
25°	2034.6	2052.3	2067.1	2077.9	2095.7
27.5°	1981.3	1999.1	2016.8	2029.6	2050.3
30°	1922.2	1940.9	1959.7	1979.4	1998.1
32.5°	1858.1	1879.8	1900.5	1922.2	1942.9
35°	1789.1	1811.8	1837.4	1862.1	1886.7
37.5°	1725.1	1745.8	1772.4	1799.0	1823.6
40°	1651.1	1673.8	1704.4	1733.9	1759.6
42.5°	1576.2	1600.8	1634.4	1662.9	1690.6
45°	1495.4	1524.9	1559.4	1591.0	1617.6
47.5°	1420.5	1446.1	1480.6	1515.1	1542.7
50°	1336.7	1365.3	1400.7	1437.2	1467.8
52.5°	1251.9	1281.5	1317.9	1354.4	1386.0
55°	1164.2	1194.7	1232.2	1270.6	1301.2
57.5°	1074.5	1107.0	1145.4	1183.9	1214.4
60°	983.8	1016.3	1052.8	1095.2	1122.8
62.5°	889.1	925.6	960.1	999.5	1016.3
65°	794.5	829.0	865.5	900.0	909.8
67.5°	697.9	733.4	765.9	788.6	801.4
70°	599.3	637.8	661.4	683.1	691.0
72.5°	501.7	540.2	554.0	574.7	582.6
75°	405.1	442.6	451.5	470.2	477.1
77.5°	311.5	346.0	349.0	370.6	376.6
80°	222.8	250.4	255.3	276.0	280.0
82.5°	142.9	162.6	169.5	187.3	193.2
85°	74.9	85.8	93.6	102.5	104.5
87.5°	24.6	30.6	25.6	26.6	24.6
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	18.85	20.50	19.22	20.82	21.13	19.39	21.04	19.76	21.36	21.67
	3H	20.63	22.12	21.00	22.45	22.81	21.25	22.74	21.62	23.07	23.43
	4H	21.25	22.66	21.65	23.01	23.38	21.92	23.32	22.32	23.67	24.05
	6H	21.66	22.97	22.07	23.33	23.72	22.39	23.70	22.80	24.06	24.45
	8H	21.77	23.01	22.19	23.40	23.80	22.54	23.79	22.96	24.18	24.57
	12H	21.82	23.01	22.24	23.39	23.82	22.62	23.82	23.05	24.20	24.63
4H	2H	19.58	20.98	19.97	21.33	21.71	20.00	21.41	20.40	21.75	22.13
	3H	21.57	22.75	21.98	23.15	23.55	22.07	23.25	22.48	23.65	24.05
	4H	22.33	23.40	22.76	23.81	24.24	22.87	23.93	23.30	24.35	24.78
	6H	22.86	23.79	23.31	24.23	24.68	23.47	24.40	23.92	24.84	25.30
	8H	23.00	23.87	23.45	24.31	24.78	23.66	24.53	24.12	24.98	25.44
	12H	23.07	23.86	23.55	24.33	24.80	23.78	24.57	24.26	25.04	25.51
8H	4H	22.66	23.54	23.12	23.98	24.45	23.14	24.02	23.60	24.46	24.92
	6H	23.31	24.03	23.80	24.52	24.99	23.85	24.58	24.35	25.07	25.54
	8H	23.51	24.16	24.01	24.66	25.15	24.11	24.76	24.62	25.27	25.75
	12H	23.63	24.21	24.14	24.70	25.26	24.29	24.87	24.80	25.36	25.92
12H	4H	22.70	23.49	23.18	23.96	24.43	23.17	23.95	23.65	24.43	24.89
	6H	23.36	24.01	23.87	24.52	25.00	23.89	24.54	24.40	25.05	25.53
	8H	23.61	24.19	24.12	24.68	25.24	24.20	24.77	24.71	25.26	25.82