

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: P1584471

Luminaire Tested: 14CZSP-70-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584471
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-70-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

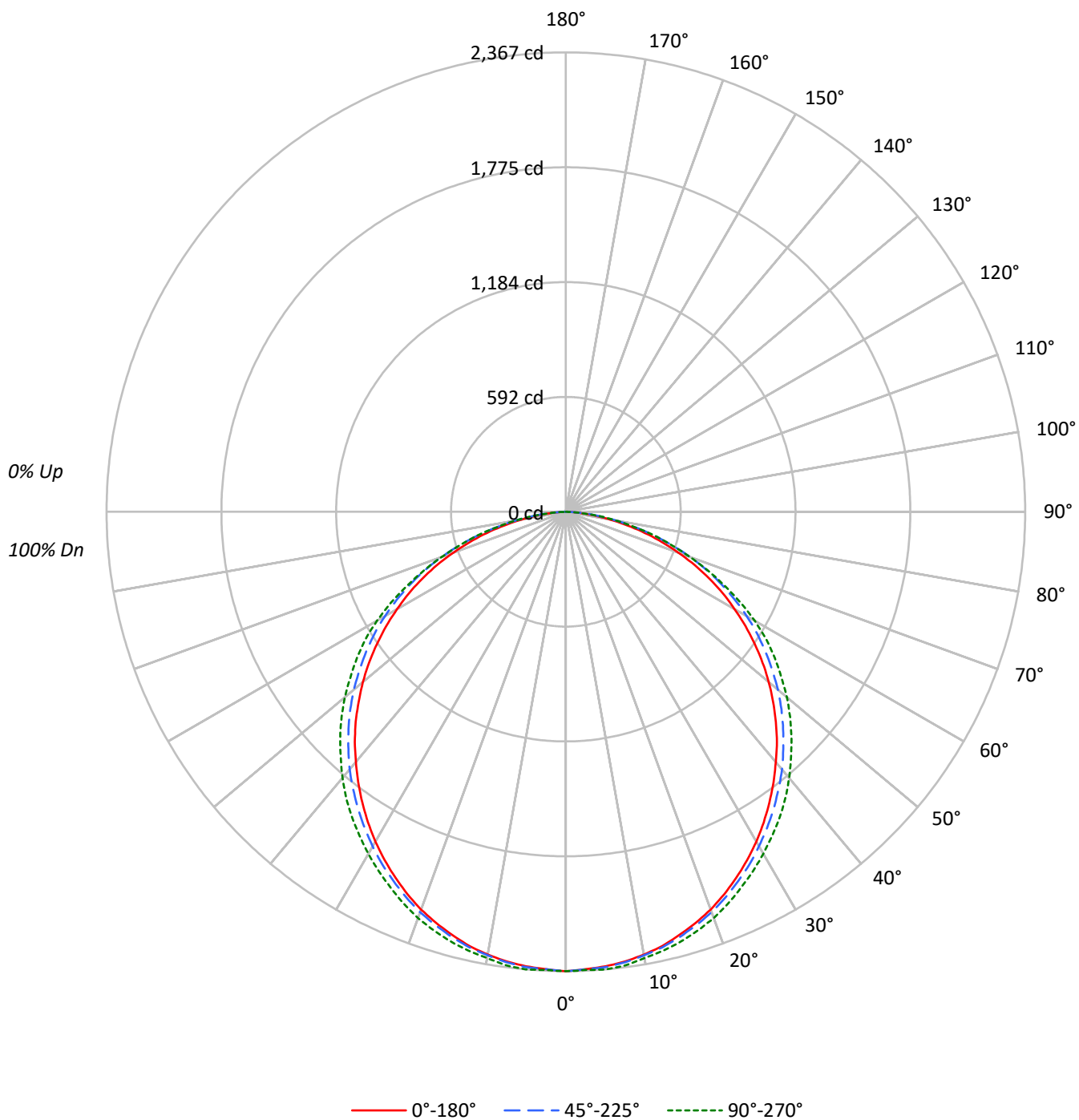
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6831.0 lumens
Efficiency: N/A
Efficacy: 127.9 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): 53.4
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°	7977	7977	7977
5°	7953	7967	8008
10°	7927	7941	7989
15°	7877	7912	7997
20°	7821	7872	7988
25°	7733	7808	7943
30°	7635	7746	7919
35°	7522	7681	7906
40°	7403	7625	7875
45°	7296	7547	7836
50°	7156	7474	7792
55°	6984	7376	7721
60°	6769	7261	7575
65°	6507	7056	7201
70°	6105	6704	6704
75°	5484	6090	6116
80°	4519	5148	5148
85°	3132	3758	3290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7836 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	3.3
10°-20°	642.2	9.4
20°-30°	972.0	14.2
30°-40°	1173.5	17.2
40°-50°	1226.0	17.9
50°-60°	1123.1	16.4
60°-70°	865.9	12.7
70°-80°	488.5	7.2
80°-90°	115.6	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°	1838.5	26.9
0°-40°	3012.0	44.1
0°-60°	5361.0	78.5
0°-90°	6831.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6831.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2367	2367	2367	2367	2367	
5°	2351	2367	2355	2359	2367	223
15°	2258	2272	2268	2286	2292	637
25°	2080	2098	2100	2128	2136	958
35°	1829	1853	1867	1908	1922	1144
45°	1531	1557	1584	1630	1644	1180
55°	1189	1219	1256	1302	1314	1062
65°	816	842	885	915	903	807
75°	421	454	468	480	470	447
85°	81	91	97	103	85	102
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2367.4	2367.4	2367.4	2367.4	2367.4
2.5°	2359.3	2375.5	2359.3	2367.4	2363.4
5°	2351.2	2367.4	2355.3	2359.3	2367.4
7.5°	2337.0	2353.2	2341.1	2347.2	2357.3
10°	2316.8	2333.0	2320.8	2331.0	2335.0
12.5°	2292.5	2306.6	2298.5	2310.7	2316.8
15°	2258.0	2272.2	2268.2	2286.4	2292.5
17.5°	2221.6	2237.8	2233.7	2256.0	2262.1
20°	2181.1	2195.3	2195.3	2215.5	2227.7
22.5°	2132.5	2148.7	2150.7	2173.0	2185.1
25°	2079.8	2098.1	2100.1	2128.4	2136.5
27.5°	2023.1	2041.4	2049.5	2079.8	2087.9
30°	1962.4	1980.6	1990.7	2025.2	2035.3
32.5°	1897.6	1919.8	1930.0	1968.4	1978.6
35°	1828.7	1853.0	1867.2	1907.7	1921.9
37.5°	1757.8	1782.1	1800.4	1842.9	1859.1
40°	1682.9	1709.2	1733.5	1776.1	1790.2
42.5°	1610.0	1636.3	1658.6	1703.2	1717.3
45°	1531.0	1557.3	1583.7	1630.2	1644.4
47.5°	1448.0	1476.3	1506.7	1549.2	1567.5
50°	1365.0	1393.3	1425.7	1470.3	1486.5
52.5°	1277.9	1308.2	1340.7	1387.2	1399.4
55°	1188.8	1219.1	1255.6	1302.2	1314.3
57.5°	1097.6	1130.0	1168.5	1213.1	1225.2
60°	1004.5	1036.9	1077.4	1119.9	1124.0
62.5°	913.3	941.7	982.2	1022.7	1016.6
65°	816.1	842.5	885.0	915.4	903.2
67.5°	718.9	747.3	785.8	808.0	791.8
70°	619.7	650.1	680.5	696.7	680.5
72.5°	520.5	552.9	575.1	585.3	571.1
75°	421.2	453.6	467.8	480.0	469.8
77.5°	326.0	356.4	362.5	376.7	362.5
80°	232.9	261.2	265.3	279.5	265.3
82.5°	149.9	168.1	176.2	188.3	174.2
85°	81.0	91.1	97.2	103.3	85.1
87.5°	28.4	32.4	28.4	24.3	10.1
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	18.93	20.58	19.29	20.89	21.20	19.47	21.12	19.84	21.44	21.75
	3H	20.71	22.21	21.09	22.53	22.89	21.28	22.77	21.65	23.10	23.46
	4H	21.35	22.76	21.75	23.11	23.48	21.92	23.33	22.32	23.68	24.05
	6H	21.78	23.08	22.19	23.45	23.84	22.36	23.67	22.77	24.03	24.42
	8H	21.89	23.13	22.31	23.52	23.92	22.49	23.73	22.91	24.12	24.52
	12H	21.94	23.14	22.37	23.52	23.95	22.54	23.74	22.97	24.12	24.55
4H	2H	19.65	21.06	20.05	21.41	21.78	20.08	21.49	20.48	21.83	22.21
	3H	21.66	22.84	22.07	23.24	23.64	22.12	23.30	22.52	23.69	24.09
	4H	22.43	23.50	22.86	23.91	24.34	22.90	23.96	23.33	24.38	24.81
	6H	22.97	23.91	23.43	24.35	24.80	23.46	24.40	23.92	24.84	25.29
	8H	23.12	23.99	23.58	24.43	24.90	23.63	24.50	24.09	24.94	25.41
	12H	23.20	23.99	23.68	24.46	24.93	23.72	24.51	24.20	24.98	25.45
8H	4H	22.77	23.64	23.23	24.09	24.55	23.18	24.06	23.64	24.50	24.96
	6H	23.43	24.16	23.92	24.64	25.12	23.87	24.59	24.36	25.08	25.55
	8H	23.64	24.29	24.14	24.79	25.28	24.10	24.75	24.61	25.25	25.74
	12H	23.77	24.35	24.28	24.84	25.40	24.25	24.82	24.76	25.31	25.87
12H	4H	22.81	23.59	23.29	24.07	24.54	23.21	23.99	23.69	24.47	24.94
	6H	23.49	24.14	23.99	24.64	25.13	23.91	24.56	24.41	25.06	25.55
	8H	23.74	24.32	24.25	24.81	25.37	24.19	24.77	24.70	25.26	25.82