

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: P1585866

Luminaire Tested: 14CZSP-SB-70-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-70-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 6700 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

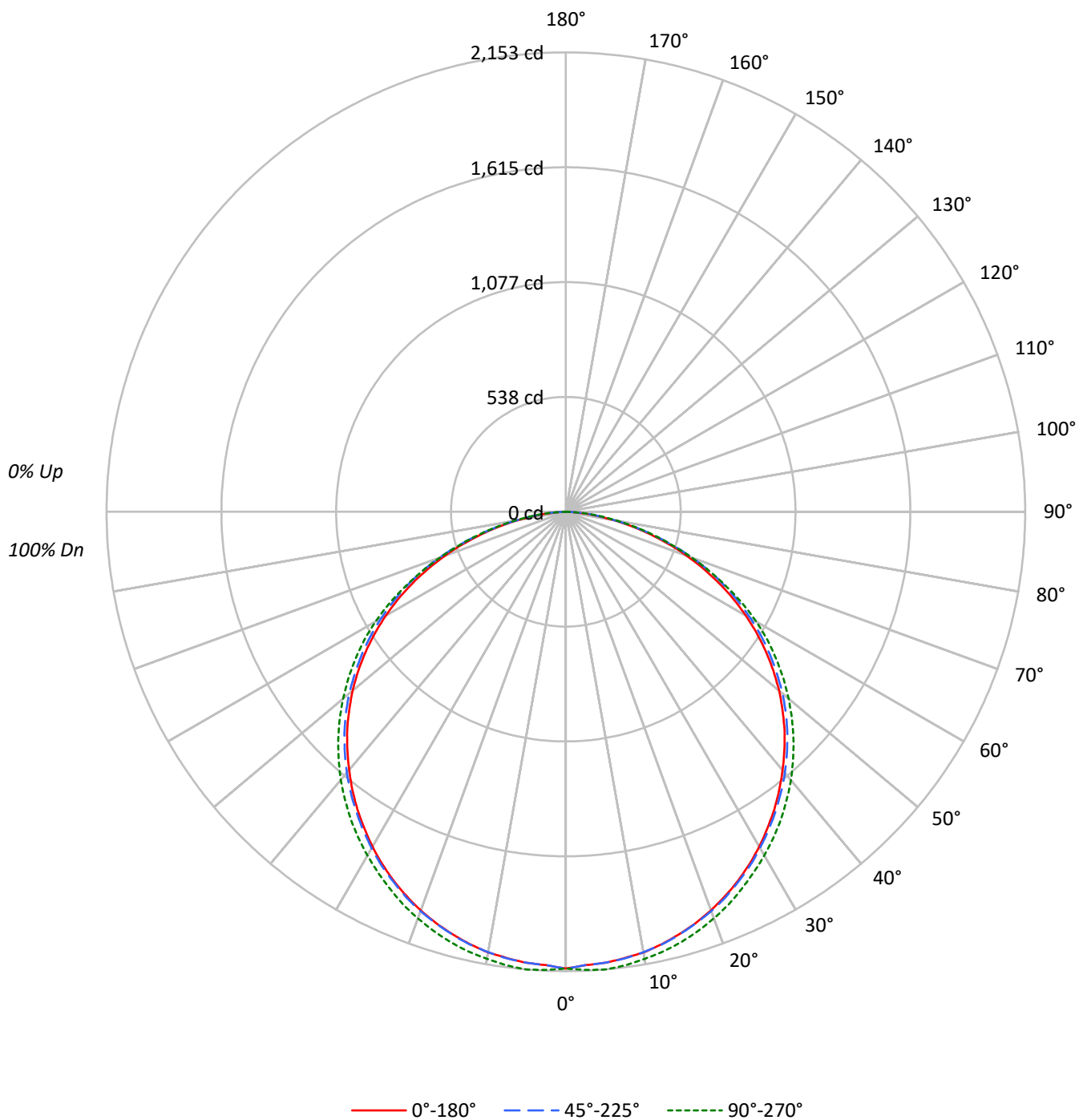
Lumens per Lamp: N/A
Luminaire Lumens: 6317.0 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7213	7213	7213
5°	7178	7175	7283
10°	7175	7172	7281
15°	7153	7160	7285
20°	7131	7145	7273
25°	7096	7113	7250
30°	7053	7083	7237
35°	7007	7051	7234
40°	6952	7025	7220
45°	6910	6997	7191
50°	6840	6947	7145
55°	6734	6859	7075
60°	6571	6741	6949
65°	6324	6563	6633
70°	5947	6223	6185
75°	5339	5566	5603
80°	4411	4636	4880
85°	2954	3441	3626

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.9	3.2
10°-20°	583.2	9.2
20°-30°	888.1	14.1
30°-40°	1080.8	17.1
40°-50°	1139.4	18.0
50°-60°	1049.4	16.6
60°-70°	810.5	12.8
70°-80°	453.5	7.2
80°-90°	109.3	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°	1674.1	26.5
0°-40°	2754.9	43.6
0°-60°	4943.7	78.3
0°-90°	6317.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6317.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2141	2141	2141	2141	2141	
5°	2122	2152	2121	2124	2153	202
15°	2051	2079	2053	2064	2088	579
25°	1908	1936	1913	1926	1950	880
35°	1703	1728	1714	1735	1758	1065
45°	1450	1470	1468	1491	1509	1117
55°	1146	1166	1168	1192	1204	1023
65°	793	816	823	831	832	784
75°	410	435	428	427	430	435
85°	76	84	89	100	94	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2140.6	2140.6	2140.6	2140.6	2140.6
2.5°	2127.1	2158.0	2127.1	2131.9	2149.3
5°	2122.2	2152.2	2121.3	2124.2	2153.2
7.5°	2109.6	2140.6	2111.6	2115.4	2143.5
10°	2097.1	2125.1	2096.1	2100.9	2128.0
12.5°	2075.8	2104.8	2077.7	2083.5	2110.6
15°	2050.6	2078.7	2052.6	2064.2	2088.4
17.5°	2021.6	2048.7	2023.6	2037.1	2060.3
20°	1988.7	2014.9	1992.6	2002.3	2028.4
22.5°	1950.0	1977.1	1955.8	1964.6	1992.6
25°	1908.5	1935.5	1913.3	1925.9	1950.0
27.5°	1863.0	1889.1	1869.8	1885.2	1906.5
30°	1812.7	1837.8	1820.4	1838.8	1860.1
32.5°	1758.5	1785.6	1768.2	1789.5	1810.8
35°	1703.4	1728.5	1714.0	1735.3	1758.5
37.5°	1643.4	1667.6	1657.0	1679.2	1700.5
40°	1580.5	1607.6	1597.0	1620.2	1641.5
42.5°	1515.7	1541.9	1533.1	1557.3	1575.7
45°	1450.0	1470.3	1468.3	1490.6	1509.0
47.5°	1377.4	1402.6	1398.7	1420.9	1437.4
50°	1304.9	1325.2	1325.2	1346.5	1362.9
52.5°	1226.5	1246.8	1246.8	1272.0	1285.5
55°	1146.2	1165.6	1167.5	1191.7	1204.3
57.5°	1061.1	1081.4	1085.3	1109.5	1121.1
60°	975.0	994.4	1000.2	1024.4	1031.1
62.5°	885.1	908.3	911.2	930.5	934.4
65°	793.2	816.4	823.2	830.9	831.9
67.5°	699.3	723.5	730.3	730.3	730.3
70°	603.6	625.8	631.6	627.8	627.8
72.5°	506.9	531.0	528.1	524.3	526.2
75°	410.1	435.3	427.5	426.6	430.4
77.5°	317.3	341.5	328.9	336.6	337.6
80°	227.3	245.7	238.9	250.5	251.5
82.5°	146.1	157.7	159.6	169.3	166.4
85°	76.4	84.2	89.0	99.6	93.8
87.5°	24.2	31.9	29.0	33.9	26.1
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	18.90	20.55	19.26	20.87	21.18	19.12	20.77	19.48	21.09	21.40
	3H	20.72	22.22	21.10	22.55	22.90	20.92	22.41	21.29	22.74	23.10
	4H	21.37	22.78	21.76	23.13	23.50	21.55	22.97	21.95	23.31	23.69
	6H	21.80	23.10	22.21	23.47	23.86	22.01	23.32	22.42	23.68	24.07
	8H	21.90	23.16	22.33	23.54	23.94	22.14	23.39	22.56	23.78	24.18
	12H	21.96	23.16	22.39	23.54	23.97	22.21	23.41	22.64	23.80	24.22
4H	2H	19.58	20.99	19.98	21.34	21.71	19.75	21.16	20.15	21.51	21.88
	3H	21.62	22.81	22.03	23.20	23.60	21.76	22.95	22.17	23.34	23.74
	4H	22.40	23.47	22.83	23.88	24.32	22.52	23.59	22.95	24.01	24.44
	6H	22.95	23.89	23.40	24.33	24.78	23.10	24.03	23.55	24.47	24.93
	8H	23.10	23.97	23.55	24.41	24.88	23.27	24.15	23.73	24.59	25.05
	12H	23.18	23.97	23.66	24.44	24.91	23.38	24.17	23.86	24.65	25.12
8H	4H	22.71	23.58	23.17	24.03	24.49	22.82	23.69	23.27	24.13	24.60
	6H	23.37	24.10	23.86	24.58	25.06	23.50	24.23	23.99	24.71	25.19
	8H	23.57	24.23	24.08	24.73	25.22	23.74	24.39	24.24	24.89	25.38
	12H	23.71	24.28	24.21	24.77	25.33	23.91	24.49	24.42	24.98	25.54
12H	4H	22.74	23.53	23.22	24.00	24.47	22.84	23.63	23.32	24.11	24.58
	6H	23.41	24.07	23.92	24.57	25.06	23.54	24.19	24.05	24.70	25.18
	8H	23.67	24.25	24.17	24.74	25.30	23.83	24.41	24.33	24.90	25.46