

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: P1584470

Luminaire Tested: 14CZSP-70-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584470
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-70-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 6700 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

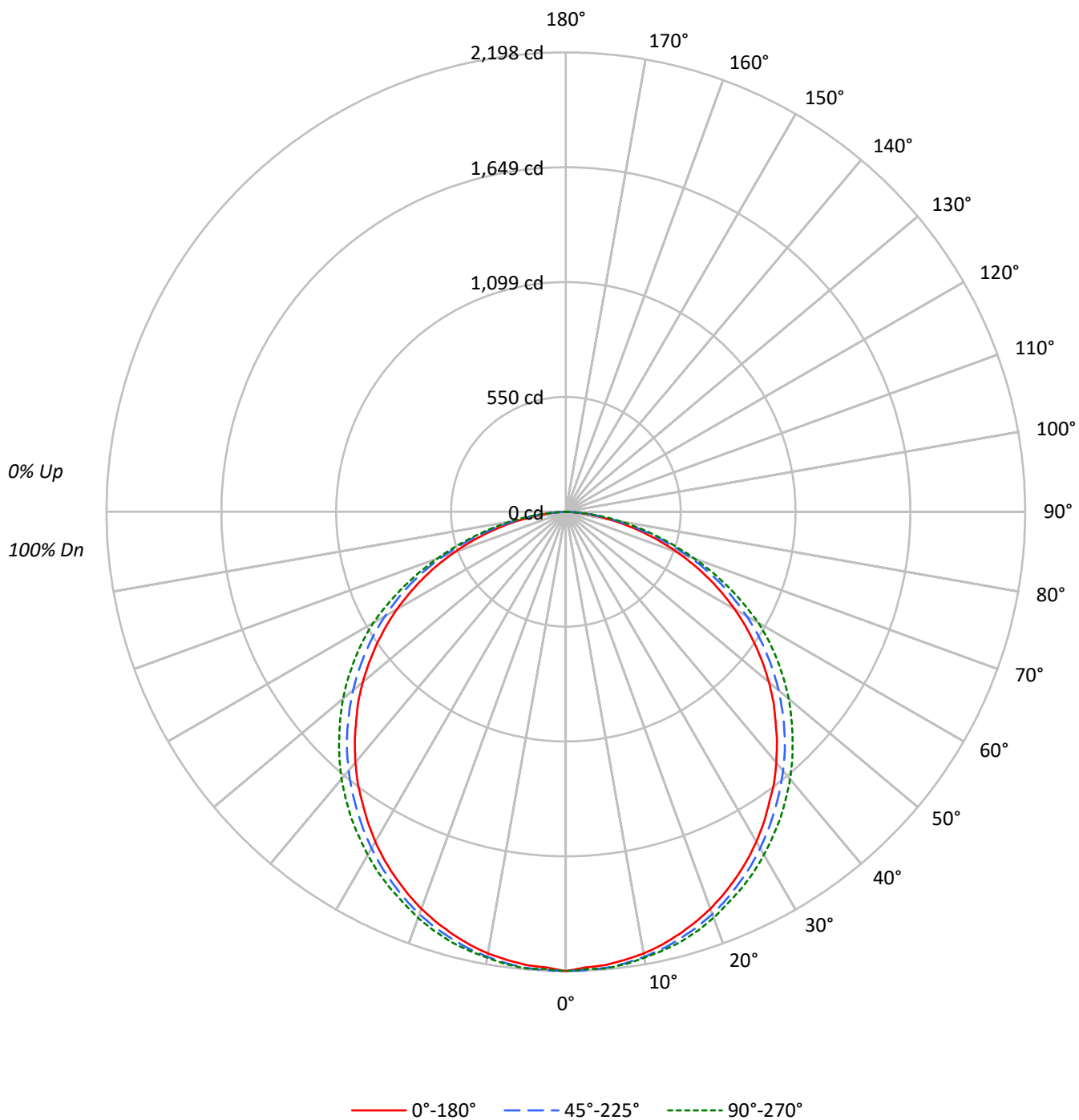
Lumens per Lamp: N/A
Luminaire Lumens: 6353.0 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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	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°	7405	7405	7405
5°	7363	7411	7417
10°	7343	7397	7413
15°	7301	7376	7428
20°	7249	7347	7414
25°	7176	7290	7391
30°	7095	7233	7375
35°	6981	7170	7362
40°	6890	7112	7342
45°	6760	7049	7312
50°	6647	6966	7299
55°	6488	6867	7251
60°	6289	6730	7178
65°	6009	6546	6882
70°	5601	6182	6458
75°	5003	5576	5892
80°	4100	4700	5154
85°	2749	3433	3831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.1	3.3
10°-20°	596.7	9.4
20°-30°	903.4	14.2
30°-40°	1091.0	17.2
40°-50°	1140.2	17.9
50°-60°	1044.8	16.4
60°-70°	806.5	12.7
70°-80°	453.7	7.1
80°-90°	108.5	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°	1708.2	26.9
0°-40°	2799.3	44.1
0°-60°	4984.3	78.5
0°-90°	6353.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2198	2198	2198	2198	2198	
5°	2177	2193	2191	2193	2193	207
15°	2093	2110	2114	2123	2129	591
25°	1930	1947	1961	1971	1988	890
35°	1697	1719	1743	1766	1790	1063
45°	1419	1447	1479	1509	1534	1096
55°	1104	1133	1169	1205	1234	987
65°	754	786	821	854	863	745
75°	384	420	428	446	453	407
85°	71	81	89	97	99	91
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2197.5	2197.5	2197.5	2197.5	2197.5
2.5°	2182.5	2199.4	2195.6	2201.2	2191.0
5°	2176.9	2192.8	2191.0	2192.8	2192.8
7.5°	2162.9	2179.7	2178.8	2181.6	2183.5
10°	2146.1	2162.0	2162.0	2164.8	2166.6
12.5°	2122.7	2139.5	2141.4	2146.1	2149.8
15°	2092.8	2109.6	2114.3	2122.7	2129.2
17.5°	2059.1	2076.9	2084.4	2092.8	2101.2
20°	2021.7	2037.6	2048.8	2055.4	2067.5
22.5°	1977.8	1995.5	2007.7	2014.2	2027.3
25°	1930.1	1946.9	1960.9	1971.2	1988.0
27.5°	1879.6	1896.4	1913.2	1925.4	1945.0
30°	1823.5	1841.2	1859.0	1877.7	1895.5
32.5°	1762.7	1783.3	1802.9	1823.5	1843.1
35°	1697.2	1718.7	1743.0	1766.4	1789.8
37.5°	1636.4	1656.1	1681.3	1706.6	1730.0
40°	1566.3	1587.8	1616.8	1644.9	1669.2
42.5°	1495.2	1518.6	1550.4	1577.5	1603.7
45°	1418.6	1446.6	1479.3	1509.3	1534.5
47.5°	1347.5	1371.8	1404.5	1437.3	1463.4
50°	1268.0	1295.1	1328.8	1363.4	1392.4
52.5°	1187.6	1215.6	1250.2	1284.8	1314.8
55°	1104.4	1133.4	1168.9	1205.4	1234.3
57.5°	1019.3	1050.1	1086.6	1123.1	1152.1
60°	933.2	964.1	998.7	1038.9	1065.1
62.5°	843.5	878.1	910.8	948.2	964.1
65°	753.7	786.4	821.0	853.8	863.1
67.5°	662.1	695.7	726.6	748.1	760.2
70°	568.5	605.0	627.5	648.0	655.5
72.5°	476.0	512.4	525.5	545.2	552.6
75°	384.3	419.9	428.3	446.0	452.6
77.5°	295.5	328.2	331.0	351.6	357.2
80°	211.3	237.5	242.2	261.8	265.6
82.5°	135.6	154.3	160.8	177.7	183.3
85°	71.1	81.4	88.8	97.3	99.1
87.5°	23.4	29.0	24.3	25.2	23.4
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	18.67	20.32	19.03	20.63	20.95	19.21	20.86	19.57	21.17	21.49
	3H	20.44	21.94	20.82	22.26	22.62	21.07	22.56	21.44	22.88	23.24
	4H	21.07	22.48	21.47	22.82	23.20	21.73	23.14	22.13	23.49	23.86
	6H	21.48	22.78	21.89	23.15	23.54	22.21	23.52	22.62	23.88	24.27
	8H	21.58	22.83	22.01	23.22	23.62	22.36	23.60	22.78	23.99	24.39
	12H	21.63	22.83	22.06	23.21	23.64	22.44	23.63	22.87	24.02	24.44
4H	2H	19.39	20.80	19.79	21.15	21.52	19.81	21.22	20.21	21.57	21.94
	3H	21.39	22.57	21.80	22.96	23.36	21.89	23.07	22.30	23.46	23.86
	4H	22.14	23.21	22.58	23.63	24.06	22.68	23.75	23.11	24.16	24.60
	6H	22.67	23.61	23.13	24.05	24.50	23.29	24.22	23.74	24.66	25.11
	8H	22.81	23.69	23.27	24.13	24.59	23.48	24.35	23.94	24.79	25.26
	12H	22.89	23.68	23.37	24.15	24.62	23.60	24.38	24.08	24.86	25.33
8H	4H	22.48	23.36	22.94	23.80	24.26	22.96	23.83	23.42	24.27	24.74
	6H	23.12	23.85	23.61	24.34	24.81	23.67	24.40	24.16	24.88	25.36
	8H	23.32	23.97	23.83	24.48	24.96	23.93	24.58	24.44	25.09	25.57
	12H	23.45	24.03	23.96	24.52	25.08	24.11	24.69	24.62	25.18	25.74
12H	4H	22.52	23.30	23.00	23.78	24.25	22.98	23.77	23.46	24.24	24.71
	6H	23.18	23.83	23.69	24.33	24.82	23.71	24.36	24.22	24.87	25.35
	8H	23.43	24.00	23.93	24.49	25.05	24.02	24.59	24.52	25.08	25.64