

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: P1584506

Luminaire Tested: 14CZSP-75-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584506
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-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 7200 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

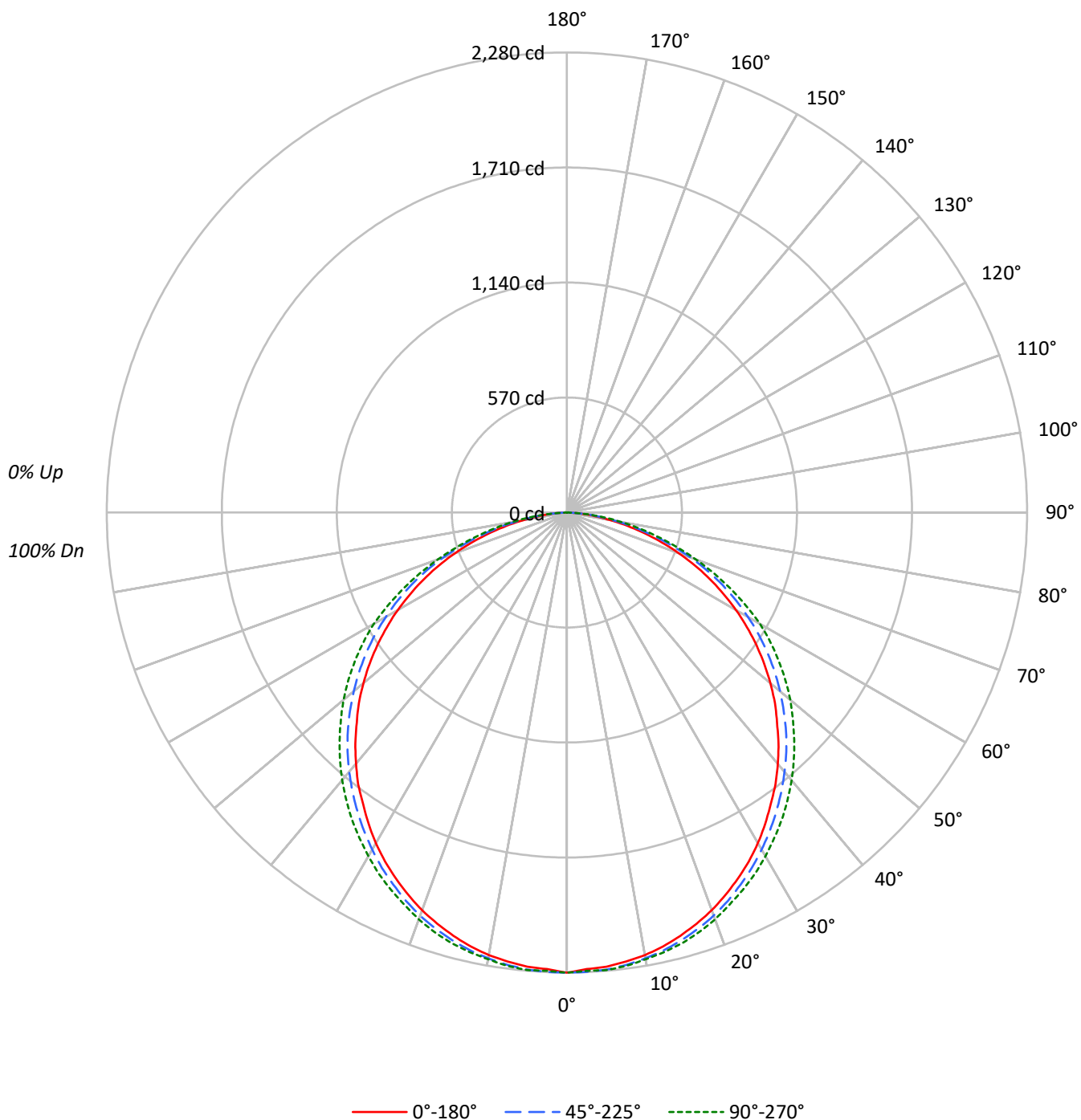
Lumens per Lamp: N/A
Luminaire Lumens: 6593.0 lumens
Efficiency: N/A
Efficacy: 115.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	7684	7684	7684
5°	7642	7691	7697
10°	7620	7677	7693
15°	7576	7654	7708
20°	7523	7624	7694
25°	7447	7566	7670
30°	7363	7506	7654
35°	7245	7441	7640
40°	7150	7381	7619
45°	7015	7316	7589
50°	6898	7229	7575
55°	6733	7126	7525
60°	6527	6984	7449
65°	6237	6793	7142
70°	5813	6416	6702
75°	5192	5787	6115
80°	4255	4876	5348
85°	2853	3565	3978

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	3.3
10°-20°	619.2	9.4
20°-30°	937.6	14.2
30°-40°	1132.2	17.2
40°-50°	1183.3	17.9
50°-60°	1084.3	16.4
60°-70°	837.0	12.7
70°-80°	470.8	7.1
80°-90°	112.6	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°	1772.8	26.9
0°-40°	2905.0	44.1
0°-60°	5172.6	78.5
0°-90°	6593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2280	2280	2280	2280	2280	
5°	2259	2276	2274	2276	2276	215
15°	2172	2189	2194	2203	2210	613
25°	2003	2020	2035	2046	2063	923
35°	1761	1784	1809	1833	1857	1104
45°	1472	1501	1535	1566	1592	1138
55°	1146	1176	1213	1251	1281	1024
65°	782	816	852	886	896	773
75°	399	436	444	463	470	423
85°	74	84	92	101	103	95
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2280.5	2280.5	2280.5	2280.5	2280.5
2.5°	2265.0	2282.5	2278.6	2284.4	2273.7
5°	2259.2	2275.7	2273.7	2275.7	2275.7
7.5°	2244.6	2262.1	2261.1	2264.0	2266.0
10°	2227.2	2243.6	2243.6	2246.6	2248.5
12.5°	2202.9	2220.4	2222.3	2227.2	2231.0
15°	2171.8	2189.3	2194.2	2202.9	2209.7
17.5°	2136.9	2155.3	2163.1	2171.8	2180.6
20°	2098.1	2114.6	2126.2	2133.0	2145.6
22.5°	2052.5	2070.9	2083.5	2090.3	2103.9
25°	2003.0	2020.4	2035.0	2045.7	2063.1
27.5°	1950.6	1968.0	1985.5	1998.1	2018.5
30°	1892.3	1910.8	1929.2	1948.6	1967.1
32.5°	1829.3	1850.6	1871.0	1892.3	1912.7
35°	1761.3	1783.7	1808.9	1833.2	1857.4
37.5°	1698.3	1718.6	1744.8	1771.0	1795.3
40°	1625.5	1647.8	1677.9	1707.0	1732.2
42.5°	1551.7	1576.0	1609.0	1637.1	1664.3
45°	1472.2	1501.3	1535.2	1566.3	1592.5
47.5°	1398.4	1423.6	1457.6	1491.6	1518.7
50°	1315.9	1344.1	1379.0	1414.9	1445.0
52.5°	1232.5	1261.6	1297.5	1333.4	1364.4
55°	1146.1	1176.2	1213.0	1250.9	1281.0
57.5°	1057.8	1089.8	1127.6	1165.5	1195.6
60°	968.5	1000.5	1036.4	1078.2	1105.3
62.5°	875.3	911.2	945.2	984.0	1000.5
65°	782.2	816.1	852.0	886.0	895.7
67.5°	687.1	722.0	754.0	776.3	789.0
70°	590.0	627.9	651.2	672.5	680.3
72.5°	494.0	531.8	545.4	565.8	573.5
75°	398.8	435.7	444.5	462.9	469.7
77.5°	306.7	340.6	343.5	364.9	370.7
80°	219.3	246.5	251.3	271.7	275.6
82.5°	140.7	160.1	166.9	184.4	190.2
85°	73.8	84.4	92.2	100.9	102.9
87.5°	24.3	30.1	25.2	26.2	24.3
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	18.80	20.45	19.16	20.76	21.08	19.34	20.99	19.70	21.30	21.62
	3H	20.57	22.07	20.95	22.39	22.75	21.19	22.69	21.57	23.01	23.37
	4H	21.20	22.61	21.60	22.95	23.33	21.86	23.27	22.26	23.62	23.99
	6H	21.61	22.91	22.02	23.28	23.67	22.34	23.64	22.75	24.01	24.40
	8H	21.71	22.96	22.14	23.35	23.74	22.49	23.73	22.91	24.12	24.52
	12H	21.76	22.96	22.19	23.34	23.77	22.57	23.76	23.00	24.14	24.57
4H	2H	19.52	20.93	19.92	21.28	21.65	19.94	21.35	20.34	21.70	22.07
	3H	21.52	22.70	21.93	23.09	23.49	22.02	23.20	22.42	23.59	23.99
	4H	22.27	23.34	22.70	23.75	24.19	22.81	23.88	23.24	24.29	24.73
	6H	22.80	23.74	23.25	24.18	24.63	23.41	24.35	23.87	24.79	25.24
	8H	22.94	23.81	23.40	24.26	24.72	23.61	24.48	24.06	24.92	25.39
	12H	23.02	23.80	23.50	24.28	24.75	23.73	24.51	24.21	24.99	25.46
8H	4H	22.61	23.48	23.07	23.93	24.39	23.09	23.96	23.55	24.40	24.87
	6H	23.25	23.98	23.74	24.46	24.94	23.80	24.53	24.29	25.01	25.49
	8H	23.45	24.10	23.96	24.61	25.09	24.06	24.71	24.57	25.21	25.70
	12H	23.58	24.16	24.09	24.65	25.21	24.24	24.81	24.75	25.30	25.86
12H	4H	22.65	23.43	23.13	23.91	24.38	23.11	23.90	23.59	24.37	24.84
	6H	23.31	23.96	23.81	24.46	24.95	23.84	24.49	24.35	24.99	25.48
	8H	23.56	24.13	24.06	24.62	25.18	24.14	24.72	24.65	25.21	25.77