

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: P1584683

Luminaire Tested: 14CZSP-A-54HE-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2602-698-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-54HE-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 5000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

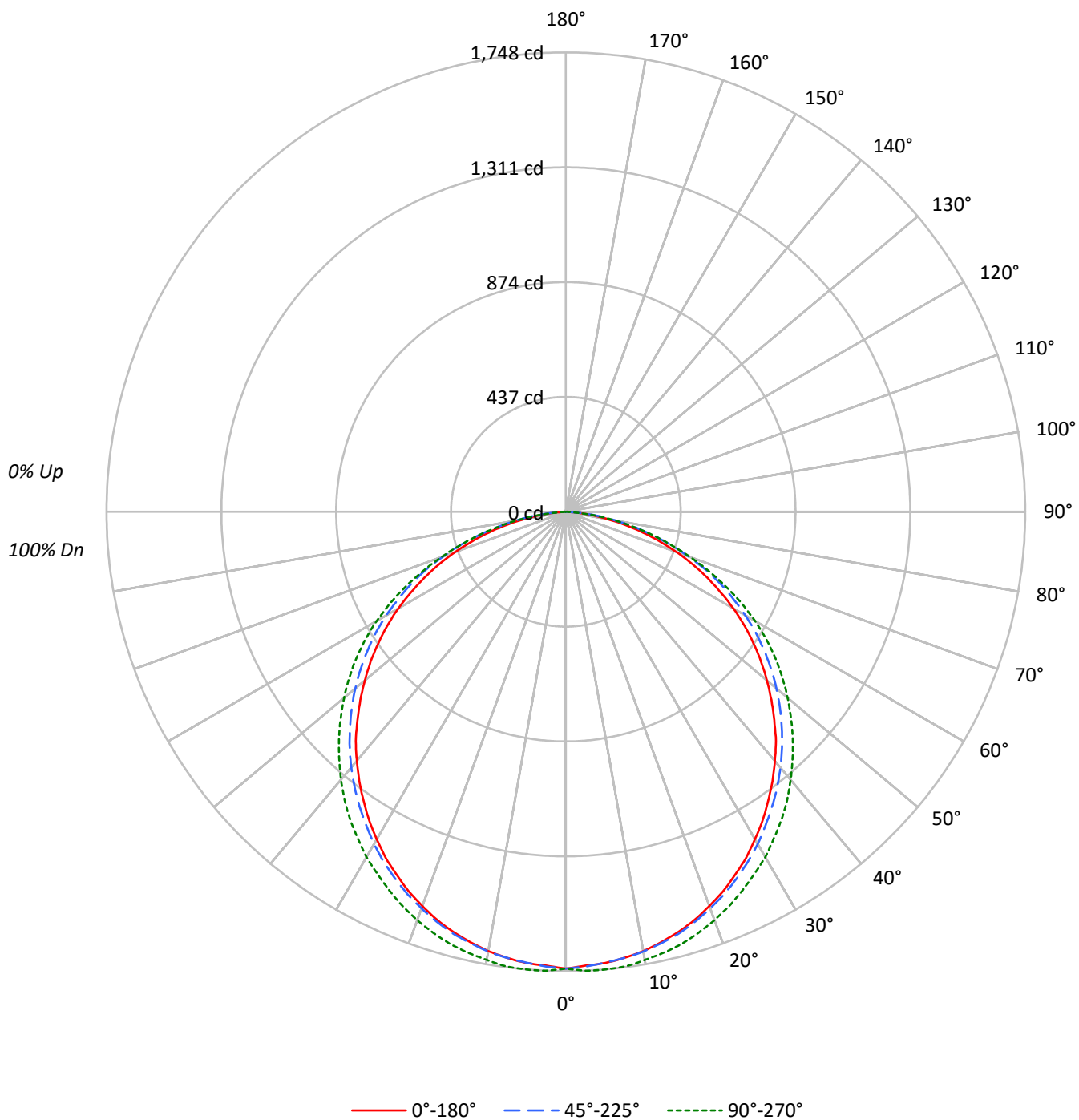
Lumens per Lamp: N/A
Luminaire Lumens: 5008.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.3
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	100	96	106	102	98	94	97	94	91		94	91	88		90
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	44	37	32		43	36	32		42
9	56	43	34	29	55	42	34	29	41	34	29		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5858	5858	5858
5°	5831	5825	5914
10°	5809	5814	5926
15°	5774	5796	5939
20°	5724	5759	5929
25°	5666	5722	5910
30°	5599	5682	5905
35°	5522	5630	5886
40°	5444	5588	5854
45°	5344	5539	5820
50°	5235	5484	5776
55°	5116	5415	5723
60°	4965	5318	5604
65°	4738	5182	5352
70°	4420	4887	4967
75°	3943	4412	4454
80°	3208	3716	3685
85°	2088	2594	2026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5820 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.7	3.3
10°-20°	471.8	9.4
20°-30°	714.6	14.3
30°-40°	863.3	17.2
40°-50°	901.8	18.0
50°-60°	825.8	16.5
60°-70°	634.5	12.7
70°-80°	353.3	7.1
80°-90°	78.2	1.6
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°	1351.1	27.0
0°-40°	2214.4	44.2
0°-60°	3942.0	78.7
0°-90°	5008.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5008.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1739	1739	1739	1739	1739	
5°	1724	1742	1722	1732	1748	164
15°	1655	1672	1662	1678	1703	467
25°	1524	1542	1539	1562	1590	703
35°	1342	1362	1369	1401	1431	840
45°	1121	1146	1162	1197	1221	866
55°	871	899	922	954	974	778
65°	594	625	650	663	671	587
75°	303	334	339	339	342	321
85°	54	64	67	56	52	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1738.6	1738.6	1738.6	1738.6	1738.6
2.5°	1728.8	1745.1	1732.0	1736.9	1748.4
5°	1723.8	1741.9	1722.2	1732.0	1748.4
7.5°	1712.4	1728.8	1712.4	1723.8	1745.1
10°	1697.7	1715.7	1699.3	1710.7	1732.0
12.5°	1678.0	1692.7	1681.3	1697.7	1718.9
15°	1655.1	1671.5	1661.6	1678.0	1702.6
17.5°	1628.9	1643.6	1635.4	1656.7	1679.6
20°	1596.2	1612.5	1606.0	1627.3	1653.5
22.5°	1563.4	1579.8	1574.9	1596.2	1624.0
25°	1524.1	1542.1	1538.9	1561.8	1589.6
27.5°	1484.8	1502.8	1501.2	1527.4	1553.6
30°	1439.0	1457.0	1460.3	1488.1	1517.6
32.5°	1393.2	1412.8	1414.4	1445.5	1473.4
35°	1342.4	1362.1	1368.6	1401.3	1430.8
37.5°	1291.7	1311.3	1321.1	1352.2	1383.3
40°	1237.6	1258.9	1270.4	1303.1	1330.9
42.5°	1183.6	1204.9	1218.0	1250.7	1276.9
45°	1121.4	1146.0	1162.3	1196.7	1221.3
47.5°	1060.8	1087.0	1105.0	1137.8	1162.3
50°	998.6	1026.4	1046.1	1078.8	1101.8
52.5°	936.4	965.9	985.5	1016.6	1039.5
55°	870.9	898.8	921.7	954.4	974.1
57.5°	805.4	833.3	857.8	887.3	905.3
60°	736.7	766.2	789.1	818.5	831.6
62.5°	664.7	695.8	718.7	741.6	753.1
65°	594.3	625.4	649.9	663.0	671.2
67.5°	522.2	553.3	576.3	582.8	587.7
70°	448.6	479.7	496.0	499.3	504.2
72.5°	374.9	406.0	419.1	419.1	420.7
75°	302.9	334.0	338.9	338.9	342.1
77.5°	232.5	260.3	263.6	263.6	263.6
80°	165.3	186.6	191.5	191.5	189.9
82.5°	104.8	119.5	127.7	121.1	117.9
85°	54.0	63.8	67.1	55.7	52.4
87.5°	16.4	19.6	16.4	9.8	8.2
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	17.89	19.53	18.25	19.85	20.16	18.39	20.04	18.76	20.35	20.67
	3H	19.66	21.15	20.03	21.47	21.83	20.19	21.68	20.57	22.01	22.37
	4H	20.28	21.69	20.68	22.03	22.41	20.82	22.22	21.22	22.57	22.95
	6H	20.68	21.99	21.09	22.35	22.74	21.24	22.54	21.65	22.91	23.30
	8H	20.78	22.03	21.21	22.41	22.81	21.35	22.59	21.77	22.98	23.38
	12H	20.83	22.02	21.26	22.40	22.83	21.39	22.58	21.82	22.96	23.39
4H	2H	18.61	20.01	19.01	20.36	20.73	19.00	20.41	19.40	20.75	21.13
	3H	20.60	21.78	21.01	22.17	22.57	21.02	22.19	21.42	22.59	22.99
	4H	21.36	22.42	21.79	22.84	23.27	21.77	22.83	22.20	23.24	23.68
	6H	21.88	22.81	22.33	23.25	23.70	22.31	23.24	22.76	23.68	24.13
	8H	22.01	22.88	22.47	23.32	23.79	22.45	23.32	22.91	23.76	24.22
	12H	22.09	22.87	22.57	23.34	23.81	22.51	23.29	22.99	23.77	24.24
8H	4H	21.69	22.56	22.15	23.00	23.47	22.05	22.92	22.51	23.37	23.83
	6H	22.32	23.05	22.82	23.53	24.01	22.69	23.42	23.19	23.90	24.38
	8H	22.52	23.16	23.03	23.67	24.15	22.89	23.54	23.40	24.04	24.53
	12H	22.64	23.21	23.15	23.70	24.26	23.00	23.57	23.50	24.06	24.62
12H	4H	21.72	22.50	22.20	22.98	23.45	22.08	22.86	22.56	23.33	23.80
	6H	22.37	23.02	22.88	23.53	24.01	22.73	23.38	23.24	23.89	24.37
	8H	22.62	23.19	23.12	23.68	24.24	22.98	23.55	23.48	24.04	24.60