

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: P1585790

Luminaire Tested: 14CZSP-SB-54HE-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585790
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-54HE-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 5000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

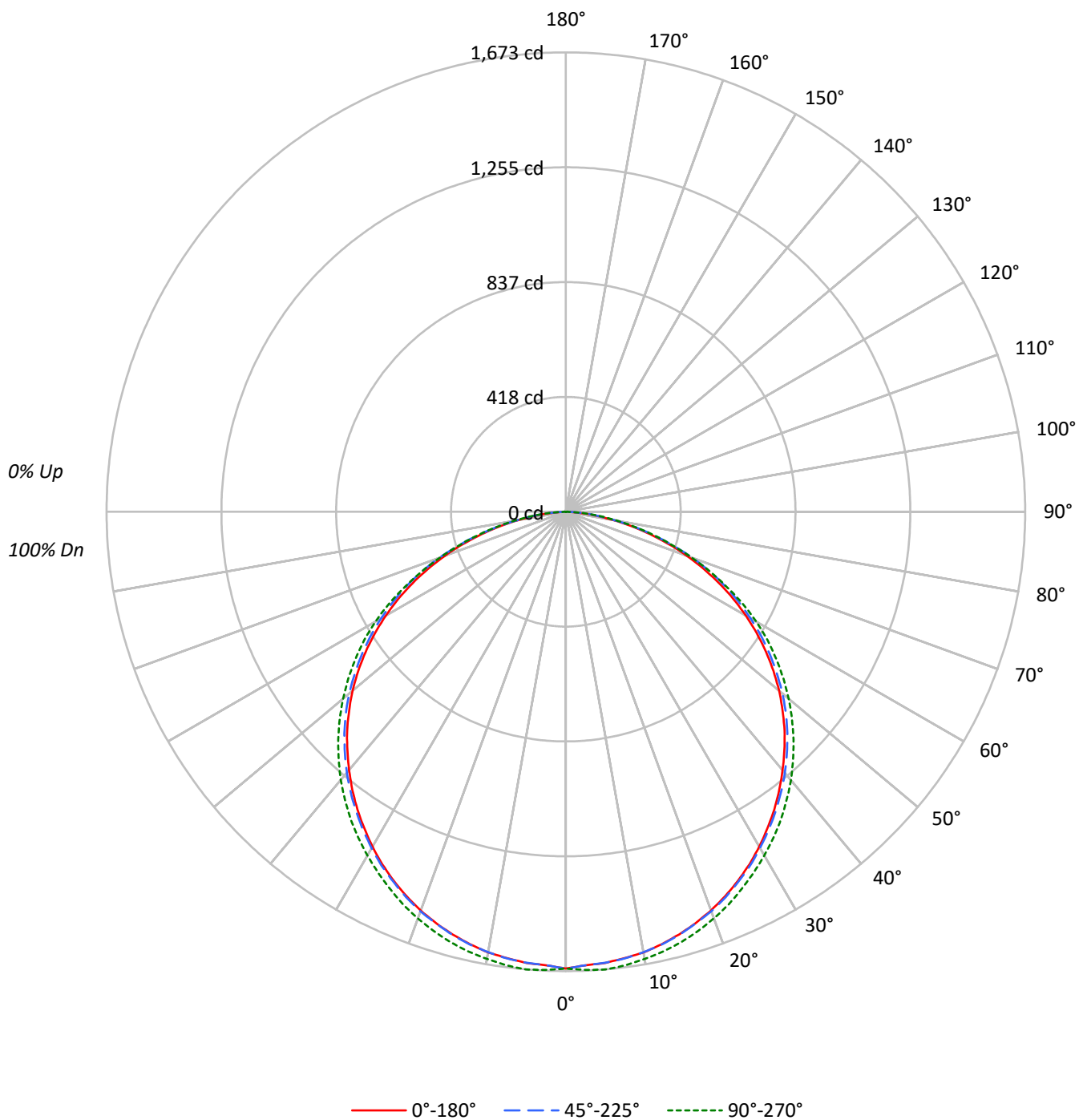
Lumens per Lamp: N/A
Luminaire Lumens: 4909.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5605	5605	5605
5°	5578	5576	5660
10°	5576	5573	5658
15°	5559	5564	5661
20°	5542	5553	5652
25°	5514	5528	5634
30°	5481	5504	5624
35°	5445	5479	5622
40°	5403	5459	5611
45°	5370	5438	5588
50°	5316	5398	5552
55°	5233	5330	5498
60°	5106	5238	5400
65°	4915	5100	5154
70°	4622	4836	4806
75°	4149	4325	4355
80°	3427	3603	3792
85°	2296	2675	2818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5588 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.7	3.2
10°-20°	453.2	9.2
20°-30°	690.1	14.1
30°-40°	839.9	17.1
40°-50°	885.4	18.0
50°-60°	815.5	16.6
60°-70°	629.8	12.8
70°-80°	352.4	7.2
80°-90°	84.9	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°	1301.0	26.5
0°-40°	2140.8	43.6
0°-60°	3841.8	78.3
0°-90°	4909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1664	1664	1664	1664	1664	
5°	1649	1672	1648	1651	1673	157
15°	1594	1615	1595	1604	1623	450
25°	1483	1504	1487	1497	1515	684
35°	1324	1343	1332	1348	1367	828
45°	1127	1143	1141	1158	1173	868
55°	891	906	907	926	936	795
65°	616	634	640	646	646	609
75°	319	338	332	332	334	338
85°	59	65	69	77	73	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1663.5	1663.5	1663.5	1663.5	1663.5
2.5°	1653.0	1677.0	1653.0	1656.7	1670.2
5°	1649.2	1672.5	1648.4	1650.7	1673.3
7.5°	1639.4	1663.5	1640.9	1643.9	1665.7
10°	1629.7	1651.5	1628.9	1632.7	1653.7
12.5°	1613.1	1635.7	1614.6	1619.1	1640.2
15°	1593.6	1615.4	1595.1	1604.1	1622.9
17.5°	1571.0	1592.1	1572.5	1583.0	1601.1
20°	1545.5	1565.8	1548.5	1556.0	1576.3
22.5°	1515.4	1536.4	1519.9	1526.7	1548.5
25°	1483.1	1504.1	1486.8	1496.6	1515.4
27.5°	1447.7	1468.0	1453.0	1465.0	1481.6
30°	1408.7	1428.2	1414.7	1429.0	1445.5
32.5°	1366.6	1387.6	1374.1	1390.6	1407.2
35°	1323.7	1343.3	1332.0	1348.5	1366.6
37.5°	1277.1	1295.9	1287.6	1304.9	1321.5
40°	1228.3	1249.3	1241.0	1259.1	1275.6
42.5°	1177.9	1198.2	1191.4	1210.2	1224.5
45°	1126.8	1142.6	1141.1	1158.3	1172.6
47.5°	1070.4	1089.9	1086.9	1104.2	1117.0
50°	1014.0	1029.8	1029.8	1046.3	1059.1
52.5°	953.1	968.9	968.9	988.5	999.0
55°	890.7	905.8	907.3	926.1	935.8
57.5°	824.6	840.4	843.4	862.2	871.2
60°	757.7	772.7	777.2	796.0	801.3
62.5°	687.8	705.8	708.1	723.1	726.1
65°	616.4	634.4	639.7	645.7	646.4
67.5°	543.5	562.3	567.5	567.5	567.5
70°	469.1	486.3	490.9	487.8	487.8
72.5°	393.9	412.7	410.4	407.4	408.9
75°	318.7	338.3	332.2	331.5	334.5
77.5°	246.6	265.3	255.6	261.6	262.3
80°	176.6	190.9	185.7	194.7	195.4
82.5°	113.5	122.5	124.0	131.5	129.3
85°	59.4	65.4	69.2	77.4	72.9
87.5°	18.8	24.8	22.6	26.3	20.3
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	18.02	19.68	18.39	19.99	20.31	18.24	19.90	18.60	20.21	20.52
	3H	19.84	21.34	20.22	21.67	22.03	20.04	21.54	20.42	21.86	22.22
	4H	20.49	21.90	20.89	22.25	22.63	20.68	22.09	21.08	22.44	22.81
	6H	20.92	22.23	21.33	22.59	22.98	21.13	22.44	21.54	22.80	23.19
	8H	21.03	22.28	21.45	22.67	23.07	21.26	22.51	21.69	22.90	23.30
	12H	21.08	22.28	21.51	22.66	23.09	21.34	22.54	21.77	22.92	23.35
4H	2H	18.70	20.12	19.10	20.46	20.84	18.87	20.28	19.27	20.63	21.01
	3H	20.74	21.93	21.15	22.33	22.73	20.89	22.07	21.30	22.47	22.87
	4H	21.52	22.60	21.95	23.01	23.44	21.64	22.72	22.08	23.13	23.56
	6H	22.07	23.01	22.53	23.45	23.91	22.22	23.16	22.67	23.60	24.05
	8H	22.22	23.10	22.68	23.54	24.00	22.39	23.27	22.85	23.71	24.18
	12H	22.30	23.09	22.78	23.57	24.04	22.51	23.30	22.99	23.77	24.24
8H	4H	21.83	22.71	22.29	23.15	23.61	21.94	22.82	22.40	23.26	23.72
	6H	22.49	23.22	22.98	23.71	24.18	22.62	23.35	23.11	23.84	24.31
	8H	22.70	23.35	23.20	23.85	24.34	22.86	23.51	23.37	24.02	24.50
	12H	22.83	23.41	23.34	23.90	24.46	23.04	23.61	23.54	24.10	24.66
12H	4H	21.86	22.65	22.34	23.13	23.59	21.97	22.76	22.45	23.23	23.70
	6H	22.54	23.19	23.04	23.70	24.18	22.66	23.32	23.17	23.82	24.31
	8H	22.79	23.37	23.30	23.86	24.42	22.95	23.53	23.46	24.02	24.58