

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: P1585786

Luminaire Tested: 14CZSP-SB-54HE-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585786
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-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 5000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

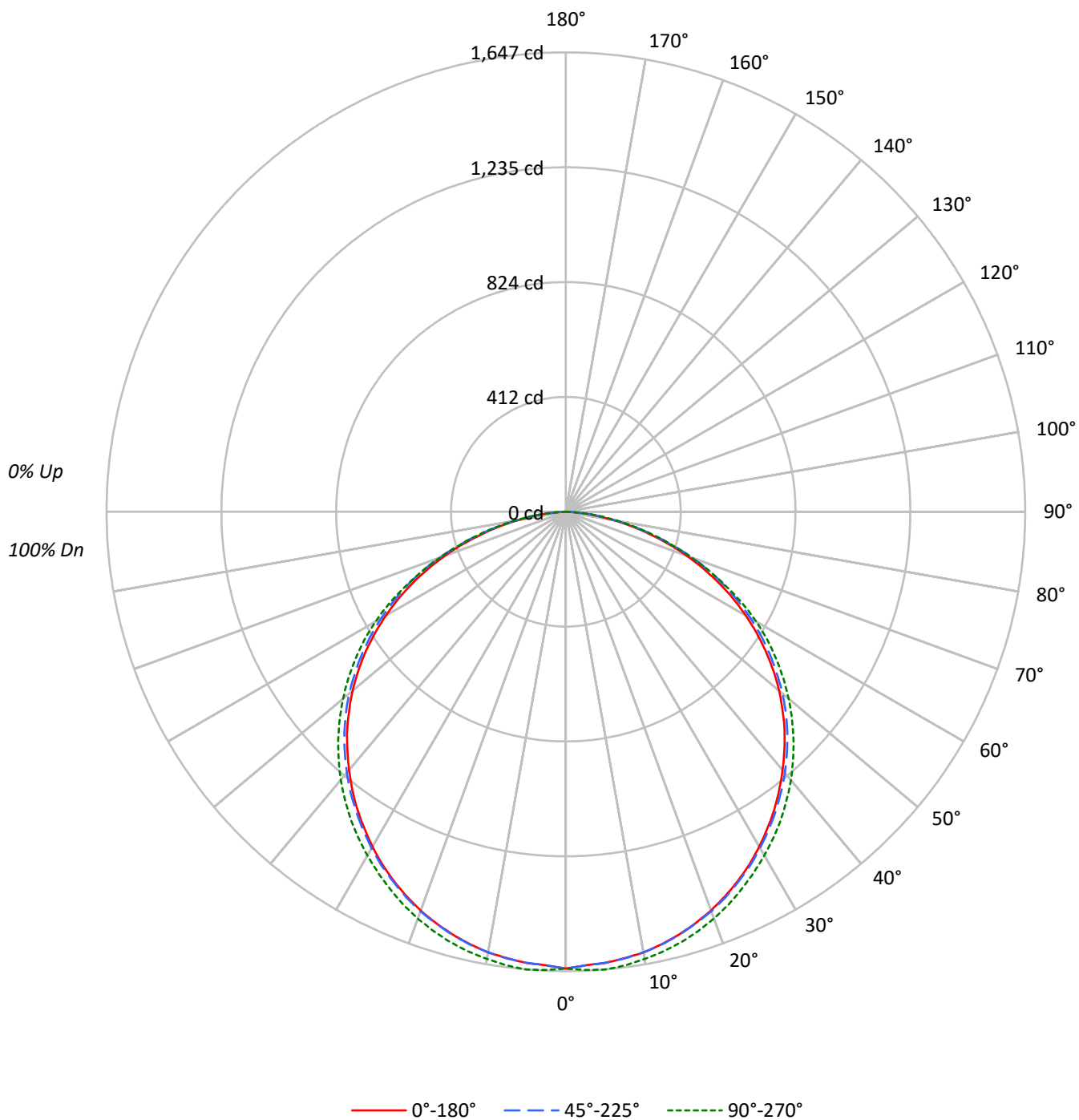
Lumens per Lamp: N/A
Luminaire Lumens: 4833.0 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	5518	5518	5518
5°	5492	5489	5572
10°	5490	5487	5571
15°	5473	5478	5574
20°	5456	5467	5565
25°	5429	5442	5547
30°	5396	5419	5537
35°	5361	5394	5534
40°	5319	5374	5524
45°	5286	5353	5502
50°	5233	5315	5466
55°	5152	5247	5413
60°	5027	5157	5317
65°	4838	5021	5074
70°	4550	4761	4732
75°	4085	4259	4287
80°	3374	3547	3733
85°	2262	2633	2776

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5502 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.2	3.2
10°-20°	446.2	9.2
20°-30°	679.4	14.1
30°-40°	826.9	17.1
40°-50°	871.7	18.0
50°-60°	802.9	16.6
60°-70°	620.1	12.8
70°-80°	347.0	7.2
80°-90°	83.6	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°	1280.8	26.5
0°-40°	2107.7	43.6
0°-60°	3782.3	78.3
0°-90°	4833.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4833.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1638	1638	1638	1638	1638	
5°	1624	1647	1623	1625	1647	154
15°	1569	1590	1570	1579	1598	443
25°	1460	1481	1464	1473	1492	673
35°	1303	1322	1311	1328	1345	815
45°	1109	1125	1123	1140	1154	855
55°	877	892	893	912	921	783
65°	607	625	630	636	636	599
75°	314	333	327	326	329	333
85°	58	64	68	76	72	75
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1637.7	1637.7	1637.7	1637.7	1637.7
2.5°	1627.4	1651.0	1627.4	1631.1	1644.4
5°	1623.7	1646.6	1622.9	1625.1	1647.3
7.5°	1614.0	1637.7	1615.5	1618.5	1639.9
10°	1604.4	1625.9	1603.7	1607.4	1628.1
12.5°	1588.1	1610.3	1589.6	1594.1	1614.8
15°	1568.9	1590.4	1570.4	1579.3	1597.8
17.5°	1546.7	1567.4	1548.2	1558.5	1576.3
20°	1521.5	1541.5	1524.5	1531.9	1551.9
22.5°	1491.9	1512.7	1496.4	1503.0	1524.5
25°	1460.1	1480.8	1463.8	1473.4	1491.9
27.5°	1425.3	1445.3	1430.5	1442.4	1458.6
30°	1386.8	1406.1	1392.8	1406.8	1423.1
32.5°	1345.4	1366.1	1352.8	1369.1	1385.4
35°	1303.2	1322.5	1311.4	1327.6	1345.4
37.5°	1257.3	1275.8	1267.7	1284.7	1301.0
40°	1209.2	1230.0	1221.8	1239.6	1255.9
42.5°	1159.7	1179.6	1173.0	1191.5	1205.5
45°	1109.3	1124.9	1123.4	1140.4	1154.5
47.5°	1053.8	1073.1	1070.1	1087.1	1099.7
50°	998.3	1013.9	1013.9	1030.1	1042.7
52.5°	938.4	953.9	953.9	973.2	983.5
55°	877.0	891.8	893.2	911.7	921.4
57.5°	811.8	827.4	830.3	848.8	857.7
60°	746.0	760.8	765.2	783.7	788.9
62.5°	677.1	694.9	697.1	711.9	714.9
65°	606.8	624.6	629.8	635.7	636.4
67.5°	535.1	553.6	558.7	558.7	558.7
70°	461.8	478.8	483.3	480.3	480.3
72.5°	387.8	406.3	404.1	401.1	402.6
75°	313.8	333.0	327.1	326.4	329.3
77.5°	242.7	261.2	251.6	257.5	258.3
80°	173.9	188.0	182.8	191.7	192.4
82.5°	111.7	120.6	122.1	129.5	127.3
85°	58.5	64.4	68.1	76.2	71.8
87.5°	18.5	24.4	22.2	25.9	20.0
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	17.97	19.62	18.33	19.94	20.25	18.19	19.84	18.55	20.16	20.47
	3H	19.79	21.29	20.17	21.62	21.97	19.99	21.48	20.36	21.81	22.17
	4H	20.44	21.85	20.83	22.20	22.57	20.62	22.04	21.02	22.38	22.76
	6H	20.87	22.17	21.28	22.54	22.93	21.08	22.39	21.49	22.75	23.14
	8H	20.97	22.23	21.40	22.61	23.01	21.21	22.46	21.63	22.85	23.25
	12H	21.03	22.23	21.46	22.61	23.04	21.28	22.48	21.71	22.87	23.29
4H	2H	18.65	20.06	19.05	20.41	20.78	18.82	20.23	19.22	20.58	20.95
	3H	20.69	21.88	21.10	22.27	22.67	20.83	22.02	21.24	22.41	22.81
	4H	21.47	22.54	21.90	22.95	23.39	21.59	22.66	22.02	23.08	23.51
	6H	22.02	22.96	22.47	23.40	23.85	22.16	23.10	22.62	23.54	24.00
	8H	22.17	23.04	22.62	23.48	23.95	22.34	23.22	22.80	23.66	24.12
	12H	22.25	23.04	22.73	23.51	23.98	22.45	23.24	22.93	23.72	24.19
8H	4H	21.78	22.65	22.24	23.10	23.56	21.88	22.76	22.34	23.20	23.67
	6H	22.44	23.17	22.93	23.65	24.13	22.57	23.30	23.06	23.78	24.26
	8H	22.64	23.30	23.15	23.80	24.29	22.81	23.46	23.31	23.96	24.45
	12H	22.78	23.35	23.28	23.84	24.40	22.98	23.56	23.49	24.05	24.61
12H	4H	21.81	22.60	22.29	23.07	23.54	21.91	22.70	22.39	23.18	23.64
	6H	22.48	23.14	22.99	23.64	24.13	22.61	23.26	23.12	23.77	24.25
	8H	22.74	23.32	23.24	23.81	24.36	22.90	23.48	23.40	23.97	24.53