

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: P1585810

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585810
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-54VHE-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 5200 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

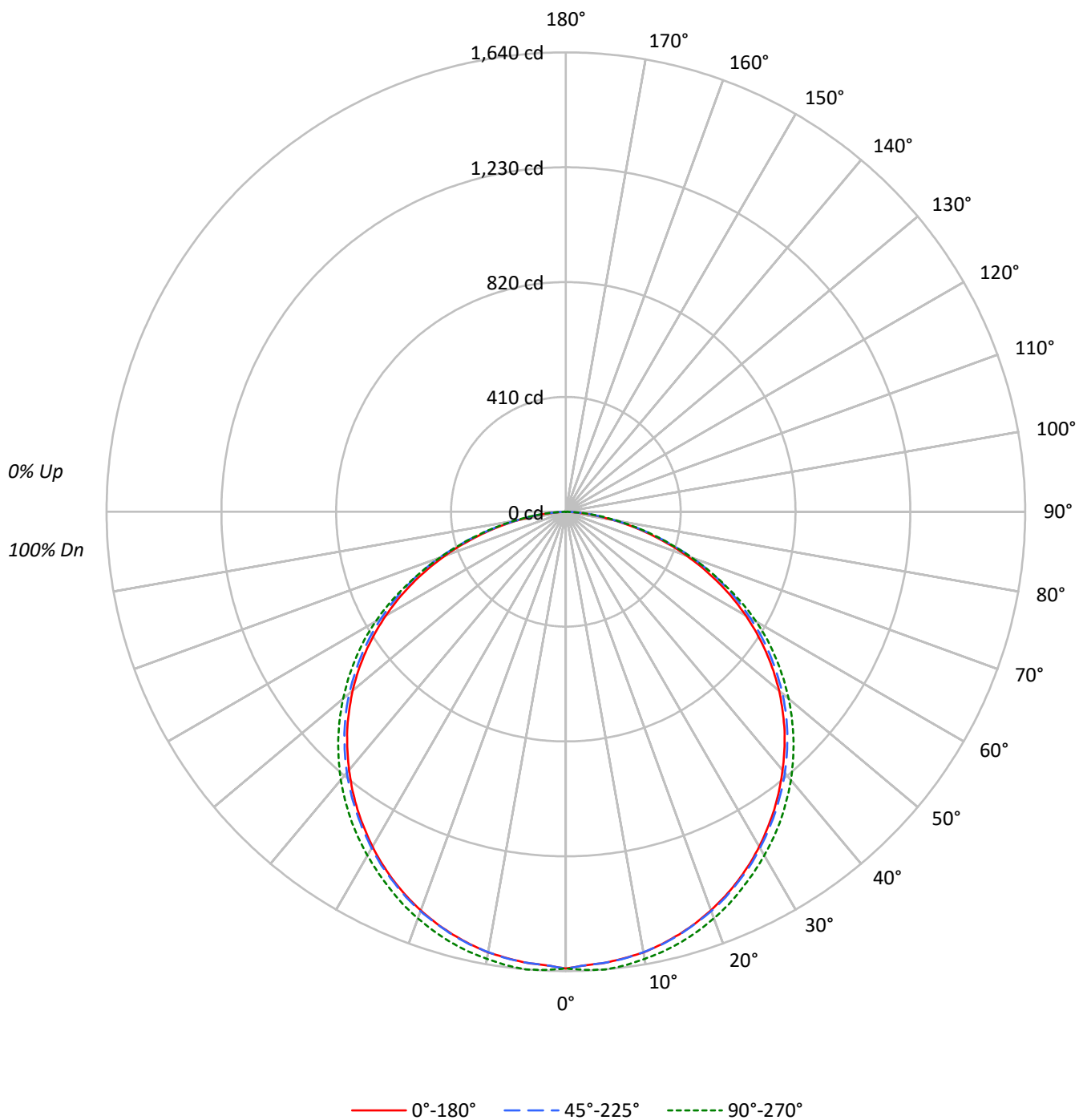
Lumens per Lamp: N/A
Luminaire Lumens: 4812.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 37.5
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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5494	5494	5494
5°	5468	5466	5548
10°	5466	5463	5546
15°	5449	5455	5549
20°	5432	5443	5540
25°	5405	5419	5523
30°	5372	5395	5513
35°	5338	5371	5510
40°	5296	5351	5500
45°	5263	5330	5478
50°	5211	5292	5442
55°	5129	5225	5389
60°	5005	5135	5294
65°	4817	4999	5053
70°	4530	4741	4711
75°	4067	4240	4269
80°	3361	3532	3718
85°	2250	2621	2764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5478 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	3.2
10°-20°	444.2	9.2
20°-30°	676.5	14.1
30°-40°	823.3	17.1
40°-50°	867.9	18.0
50°-60°	799.4	16.6
60°-70°	617.4	12.8
70°-80°	345.5	7.2
80°-90°	83.3	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°	1275.2	26.5
0°-40°	2098.5	43.6
0°-60°	3765.9	78.3
0°-90°	4812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1631	1631	1631	1631	1631	
5°	1617	1640	1616	1618	1640	154
15°	1562	1584	1564	1572	1591	441
25°	1454	1474	1458	1467	1486	670
35°	1298	1317	1306	1322	1340	812
45°	1104	1120	1118	1136	1150	851
55°	873	888	889	908	917	779
65°	604	622	627	633	634	597
75°	312	332	326	325	328	331
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°	1630.6	1630.6	1630.6	1630.6	1630.6
2.5°	1620.3	1643.9	1620.3	1624.0	1637.2
5°	1616.6	1639.5	1615.9	1618.1	1640.2
7.5°	1607.0	1630.6	1608.5	1611.5	1632.8
10°	1597.5	1618.8	1596.7	1600.4	1621.0
12.5°	1581.2	1603.3	1582.7	1587.1	1607.8
15°	1562.1	1583.5	1563.6	1572.4	1590.8
17.5°	1540.0	1560.6	1541.5	1551.8	1569.5
20°	1514.9	1534.8	1517.9	1525.2	1545.1
22.5°	1485.5	1506.1	1489.9	1496.5	1517.9
25°	1453.8	1474.4	1457.5	1467.0	1485.5
27.5°	1419.1	1439.0	1424.3	1436.1	1452.3
30°	1380.8	1400.0	1386.7	1400.7	1416.9
32.5°	1339.6	1360.2	1346.9	1363.1	1379.4
35°	1297.6	1316.7	1305.7	1321.9	1339.6
37.5°	1251.9	1270.3	1262.2	1279.1	1295.4
40°	1204.0	1224.6	1216.5	1234.2	1250.4
42.5°	1154.6	1174.5	1167.9	1186.3	1200.3
45°	1104.5	1120.0	1118.5	1135.5	1149.5
47.5°	1049.2	1068.4	1065.5	1082.4	1094.9
50°	994.0	1009.5	1009.5	1025.7	1038.2
52.5°	934.3	949.8	949.8	968.9	979.3
55°	873.1	887.9	889.4	907.8	917.4
57.5°	808.3	823.8	826.7	845.1	854.0
60°	742.7	757.5	761.9	780.3	785.5
62.5°	674.2	691.9	694.1	708.8	711.8
65°	604.2	621.9	627.0	632.9	633.7
67.5°	532.7	551.2	556.3	556.3	556.3
70°	459.8	476.7	481.2	478.2	478.2
72.5°	386.1	404.5	402.3	399.4	400.8
75°	312.4	331.6	325.7	324.9	327.9
77.5°	241.7	260.1	250.5	256.4	257.2
80°	173.2	187.2	182.0	190.8	191.6
82.5°	111.3	120.1	121.6	128.9	126.7
85°	58.2	64.1	67.8	75.9	71.5
87.5°	18.4	24.3	22.1	25.8	19.9
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	17.95	19.61	18.32	19.92	20.24	18.17	19.83	18.54	20.14	20.45
	3H	19.78	21.27	20.15	21.60	21.96	19.97	21.47	20.35	21.79	22.15
	4H	20.42	21.83	20.82	22.18	22.56	20.61	22.02	21.01	22.37	22.74
	6H	20.85	22.16	21.26	22.52	22.91	21.06	22.37	21.47	22.74	23.13
	8H	20.96	22.21	21.38	22.60	23.00	21.19	22.44	21.62	22.83	23.23
	12H	21.01	22.21	21.44	22.59	23.02	21.27	22.47	21.70	22.85	23.28
4H	2H	18.63	20.05	19.03	20.39	20.77	18.80	20.21	19.20	20.56	20.94
	3H	20.67	21.86	21.08	22.26	22.66	20.82	22.00	21.23	22.40	22.80
	4H	21.45	22.53	21.89	22.94	23.37	21.57	22.65	22.01	23.06	23.50
	6H	22.00	22.94	22.46	23.38	23.84	22.15	23.09	22.60	23.53	23.98
	8H	22.15	23.03	22.61	23.47	23.93	22.32	23.20	22.78	23.64	24.11
	12H	22.23	23.02	22.71	23.50	23.97	22.44	23.23	22.92	23.70	24.17
8H	4H	21.76	22.64	22.22	23.08	23.55	21.87	22.75	22.33	23.19	23.65
	6H	22.42	23.15	22.91	23.64	24.11	22.55	23.28	23.04	23.77	24.24
	8H	22.63	23.28	23.13	23.79	24.27	22.79	23.44	23.30	23.95	24.43
	12H	22.76	23.34	23.27	23.83	24.39	22.97	23.54	23.47	24.03	24.59
12H	4H	21.79	22.58	22.27	23.06	23.52	21.90	22.69	22.38	23.16	23.63
	6H	22.47	23.12	22.97	23.63	24.11	22.59	23.25	23.10	23.75	24.24
	8H	22.72	23.30	23.23	23.79	24.35	22.88	23.46	23.39	23.95	24.51