

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: P1585782

Luminaire Tested: 14CZSP-SB-54HE-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585782
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-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 5000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

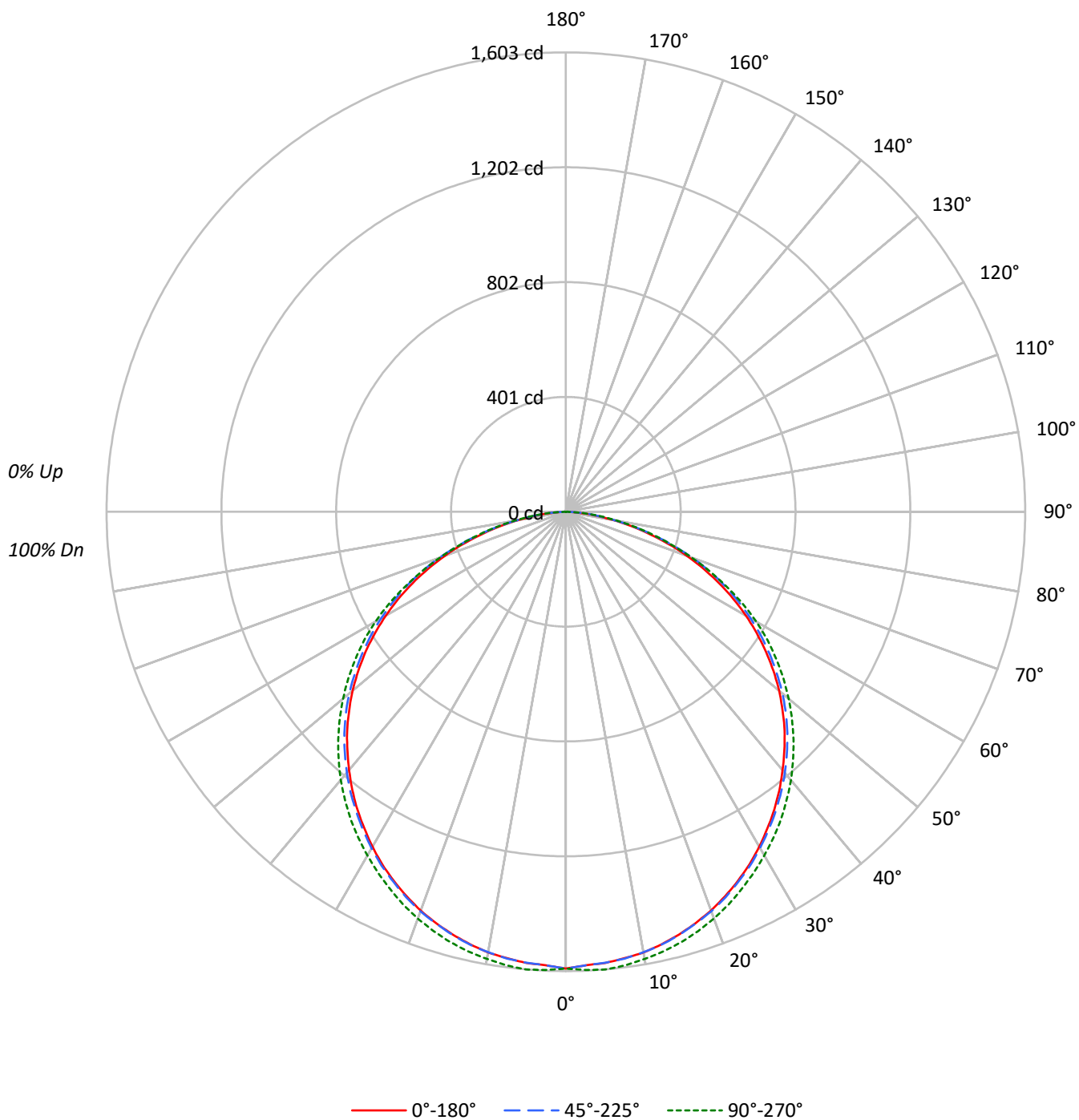
Lumens per Lamp: N/A
Luminaire Lumens: 4704.0 lumens
Efficiency: N/A
Efficacy: 126.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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°	5371	5371	5371
5°	5345	5343	5423
10°	5343	5341	5422
15°	5327	5332	5425
20°	5310	5321	5416
25°	5284	5297	5399
30°	5252	5274	5389
35°	5218	5250	5387
40°	5177	5231	5376
45°	5145	5210	5355
50°	5094	5173	5320
55°	5014	5107	5268
60°	4893	5019	5174
65°	4709	4888	4939
70°	4428	4634	4606
75°	3976	4145	4173
80°	3285	3452	3634
85°	2200	2563	2702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5355 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.1	3.2
10°-20°	434.3	9.2
20°-30°	661.3	14.1
30°-40°	804.8	17.1
40°-50°	848.4	18.0
50°-60°	781.5	16.6
60°-70°	603.5	12.8
70°-80°	337.7	7.2
80°-90°	81.4	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°	1246.6	26.5
0°-40°	2051.4	43.6
0°-60°	3681.3	78.3
0°-90°	4704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1594	1594	1594	1594	1594	
5°	1580	1603	1580	1582	1603	150
15°	1527	1548	1528	1537	1555	431
25°	1421	1441	1425	1434	1452	655
35°	1268	1287	1276	1292	1310	793
45°	1080	1095	1093	1110	1124	832
55°	854	868	869	887	897	762
65°	591	608	613	619	620	583
75°	305	324	318	318	320	324
85°	57	63	66	74	70	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1594.0	1594.0	1594.0	1594.0	1594.0
2.5°	1583.9	1607.0	1583.9	1587.5	1600.5
5°	1580.3	1602.7	1579.6	1581.8	1603.4
7.5°	1571.0	1594.0	1572.4	1575.3	1596.2
10°	1561.6	1582.5	1560.9	1564.5	1584.6
12.5°	1545.8	1567.4	1547.2	1551.5	1571.7
15°	1527.0	1547.9	1528.5	1537.1	1555.1
17.5°	1505.4	1525.6	1506.9	1516.9	1534.2
20°	1480.9	1500.4	1483.8	1491.0	1510.5
22.5°	1452.1	1472.3	1456.4	1462.9	1483.8
25°	1421.1	1441.3	1424.7	1434.1	1452.1
27.5°	1387.3	1406.7	1392.3	1403.9	1419.7
30°	1349.8	1368.6	1355.6	1369.3	1385.1
32.5°	1309.5	1329.7	1316.7	1332.5	1348.4
35°	1268.4	1287.2	1276.4	1292.2	1309.5
37.5°	1223.8	1241.8	1233.9	1250.4	1266.3
40°	1177.0	1197.1	1189.2	1206.5	1222.3
42.5°	1128.7	1148.2	1141.7	1159.7	1173.4
45°	1079.7	1094.8	1093.4	1110.0	1123.7
47.5°	1025.7	1044.4	1041.5	1058.1	1070.4
50°	971.7	986.8	986.8	1002.7	1014.9
52.5°	913.3	928.5	928.5	947.2	957.3
55°	853.5	868.0	869.4	887.4	896.8
57.5°	790.2	805.3	808.2	826.2	834.8
60°	726.1	740.5	744.8	762.8	767.8
62.5°	659.1	676.4	678.5	692.9	695.8
65°	590.6	607.9	613.0	618.7	619.5
67.5°	520.8	538.8	543.8	543.8	543.8
70°	449.5	466.0	470.4	467.5	467.5
72.5°	377.4	395.4	393.3	390.4	391.8
75°	305.4	324.1	318.4	317.7	320.5
77.5°	236.3	254.3	244.9	250.7	251.4
80°	169.3	183.0	177.9	186.6	187.3
82.5°	108.8	117.4	118.8	126.1	123.9
85°	56.9	62.7	66.3	74.2	69.9
87.5°	18.0	23.8	21.6	25.2	19.4
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	17.88	19.53	18.24	19.85	20.16	18.09	19.75	18.46	20.06	20.38
	3H	19.70	21.20	20.07	21.52	21.88	19.89	21.39	20.27	21.72	22.08
	4H	20.34	21.76	20.74	22.10	22.48	20.53	21.94	20.93	22.29	22.66
	6H	20.77	22.08	21.18	22.44	22.84	20.98	22.29	21.39	22.66	23.05
	8H	20.88	22.13	21.30	22.52	22.92	21.11	22.37	21.54	22.75	23.15
	12H	20.93	22.13	21.36	22.51	22.94	21.19	22.39	21.62	22.77	23.20
4H	2H	18.55	19.97	18.95	20.31	20.69	18.72	20.14	19.12	20.48	20.86
	3H	20.60	21.78	21.00	22.18	22.58	20.74	21.92	21.15	22.32	22.72
	4H	21.38	22.45	21.81	22.86	23.30	21.50	22.57	21.93	22.98	23.42
	6H	21.93	22.86	22.38	23.30	23.76	22.07	23.01	22.52	23.45	23.90
	8H	22.07	22.95	22.53	23.39	23.85	22.25	23.12	22.70	23.56	24.03
	12H	22.15	22.94	22.63	23.42	23.89	22.36	23.15	22.84	23.62	24.09
8H	4H	21.68	22.56	22.14	23.00	23.47	21.79	22.67	22.25	23.11	23.57
	6H	22.34	23.07	22.83	23.56	24.03	22.47	23.20	22.97	23.69	24.16
	8H	22.55	23.20	23.06	23.71	24.19	22.71	23.37	23.22	23.87	24.36
	12H	22.68	23.26	23.19	23.75	24.31	22.89	23.47	23.39	23.96	24.52
12H	4H	21.71	22.50	22.19	22.98	23.45	21.82	22.61	22.30	23.08	23.55
	6H	22.39	23.04	22.90	23.55	24.03	22.51	23.17	23.02	23.67	24.16
	8H	22.64	23.22	23.15	23.71	24.27	22.80	23.38	23.31	23.87	24.43