

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: P1585783

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-54HE-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 5000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

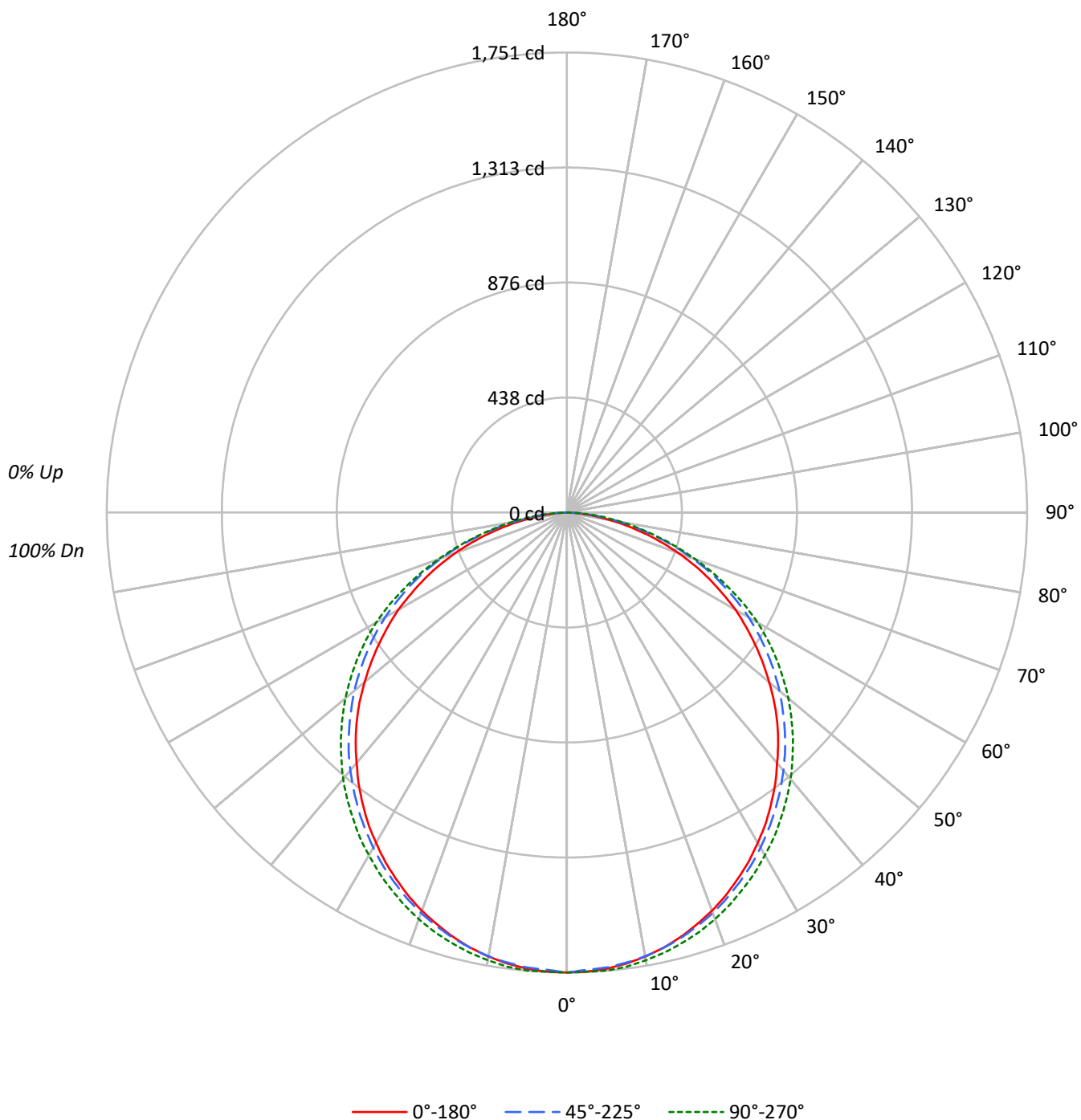
Lumens per Lamp: N/A
Luminaire Lumens: 5058.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		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°	5899	5899	5899
5°	5895	5880	5920
10°	5873	5868	5921
15°	5835	5848	5917
20°	5784	5818	5907
25°	5721	5775	5884
30°	5650	5732	5862
35°	5571	5685	5841
40°	5474	5637	5826
45°	5395	5586	5795
50°	5267	5534	5767
55°	5132	5462	5723
60°	4994	5381	5647
65°	4770	5240	5431
70°	4450	5003	5125
75°	3964	4535	4667
80°	3237	3929	4127
85°	2142	3128	3352

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5795 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.8	3.3
10°-20°	475.0	9.4
20°-30°	719.1	14.2
30°-40°	868.0	17.2
40°-50°	906.5	17.9
50°-60°	829.3	16.4
60°-70°	641.1	12.7
70°-80°	362.9	7.2
80°-90°	90.1	1.8
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°	1360.0	26.9
0°-40°	2228.0	44.0
0°-60°	3963.8	78.4
0°-90°	5058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1751	1751	1751	1751	1751	
5°	1743	1755	1738	1740	1750	166
15°	1673	1687	1676	1684	1696	472
25°	1539	1558	1553	1568	1582	709
35°	1354	1373	1382	1405	1420	847
45°	1132	1154	1172	1202	1216	872
55°	874	900	930	959	974	781
65°	598	623	657	677	681	590
75°	304	331	348	357	358	323
85°	55	64	81	84	87	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1750.8	1750.8	1750.8	1750.8	1750.8
2.5°	1748.6	1761.0	1742.0	1745.7	1749.3
5°	1742.8	1755.2	1738.4	1739.9	1750.1
7.5°	1731.8	1745.7	1728.2	1731.1	1743.5
10°	1716.5	1730.4	1715.1	1718.0	1730.4
12.5°	1696.9	1710.7	1697.6	1702.0	1715.8
15°	1672.8	1687.4	1676.5	1684.5	1696.1
17.5°	1643.7	1661.9	1650.2	1662.6	1674.3
20°	1613.1	1631.3	1622.6	1633.5	1647.3
22.5°	1578.1	1596.3	1589.8	1601.4	1616.7
25°	1538.8	1558.4	1553.3	1567.9	1582.5
27.5°	1498.0	1516.9	1515.5	1531.5	1546.8
30°	1452.1	1472.5	1473.2	1492.1	1506.7
32.5°	1406.2	1424.4	1428.8	1449.9	1466.6
35°	1354.4	1373.4	1382.1	1405.4	1420.0
37.5°	1302.0	1323.1	1332.6	1358.1	1373.4
40°	1244.4	1268.5	1281.6	1308.5	1324.6
42.5°	1189.8	1211.6	1229.1	1256.1	1270.7
45°	1132.2	1154.1	1172.3	1202.2	1216.0
47.5°	1070.3	1094.3	1114.0	1143.1	1158.4
50°	1004.7	1030.9	1055.7	1084.1	1100.2
52.5°	939.9	965.4	993.8	1021.5	1037.5
55°	873.6	899.8	929.7	958.8	974.1
57.5°	806.5	832.8	865.6	891.8	907.8
60°	741.0	765.0	798.5	824.8	837.9
62.5°	666.7	694.3	728.6	754.8	762.1
65°	598.2	622.9	657.2	676.9	681.2
67.5°	525.3	550.1	584.3	595.3	601.8
70°	451.7	478.0	507.8	515.1	520.2
72.5°	377.4	404.4	427.7	435.0	439.3
75°	304.5	330.8	348.3	357.0	358.5
77.5°	233.9	257.9	273.9	284.1	284.1
80°	166.8	185.1	202.5	213.5	212.7
82.5°	106.4	120.2	138.4	146.4	151.5
85°	55.4	64.1	80.9	84.5	86.7
87.5°	17.5	22.6	29.1	24.0	23.3
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	17.85	19.50	18.21	19.81	20.13	18.39	20.04	18.75	20.35	20.67
	3H	19.62	21.11	20.00	21.44	21.80	20.25	21.74	20.62	22.07	22.43
	4H	20.24	21.65	20.64	22.00	22.37	20.92	22.33	21.32	22.68	23.05
	6H	20.65	21.95	21.06	22.32	22.71	21.40	22.71	21.82	23.07	23.47
	8H	20.75	22.00	21.17	22.39	22.78	21.56	22.81	21.99	23.20	23.60
	12H	20.80	21.99	21.23	22.37	22.80	21.66	22.85	22.09	23.24	23.66
4H	2H	18.59	19.99	18.98	20.34	20.72	19.01	20.41	19.40	20.76	21.14
	3H	20.58	21.76	20.99	22.16	22.56	21.09	22.27	21.49	22.66	23.06
	4H	21.33	22.40	21.76	22.81	23.24	21.89	22.96	22.32	23.37	23.80
	6H	21.85	22.78	22.30	23.22	23.68	22.50	23.44	22.95	23.88	24.33
	8H	21.98	22.86	22.44	23.30	23.76	22.70	23.58	23.16	24.02	24.49
	12H	22.06	22.84	22.54	23.32	23.79	22.84	23.63	23.32	24.11	24.57
8H	4H	21.68	22.56	22.14	23.00	23.46	22.18	23.05	22.64	23.49	23.96
	6H	22.31	23.04	22.81	23.53	24.00	22.91	23.64	23.40	24.12	24.60
	8H	22.51	23.16	23.02	23.67	24.15	23.18	23.83	23.69	24.34	24.82
	12H	22.63	23.21	23.14	23.70	24.26	23.39	23.96	23.89	24.45	25.01
12H	4H	21.72	22.51	22.20	22.98	23.45	22.20	22.99	22.68	23.46	23.93
	6H	22.38	23.03	22.89	23.54	24.02	22.95	23.60	23.46	24.11	24.59
	8H	22.63	23.20	23.13	23.69	24.25	23.28	23.85	23.78	24.34	24.90