

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: P1585681

Luminaire Tested: 14CZSP-SB-42-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585681
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-42-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

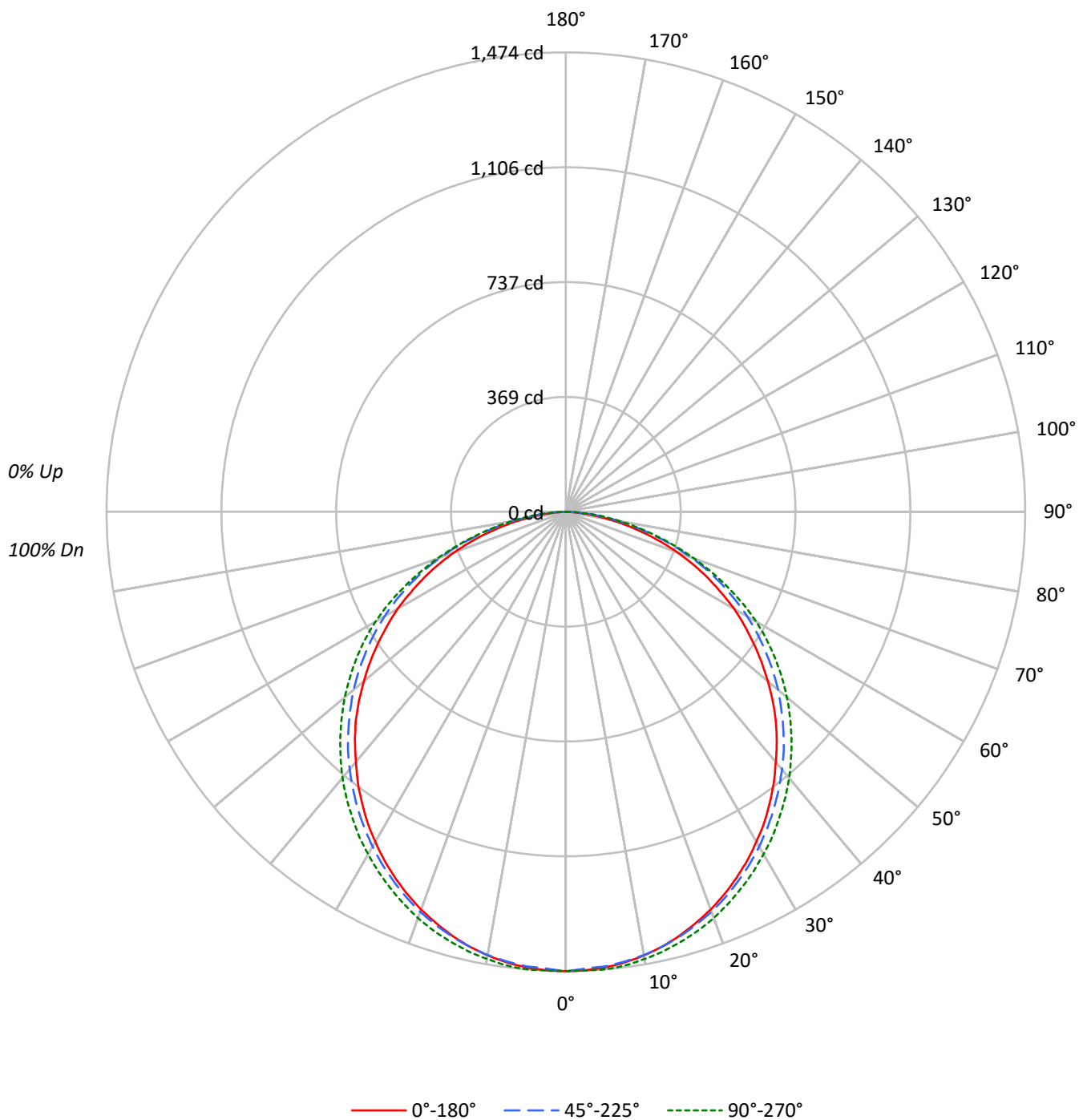
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4259.0 lumens
Efficiency: N/A
Efficacy: 149.4 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): 28.5
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			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	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4967	4967	4967
5°	4964	4951	4984
10°	4946	4941	4985
15°	4914	4924	4982
20°	4871	4899	4974
25°	4817	4863	4954
30°	4757	4827	4936
35°	4691	4787	4919
40°	4609	4747	4906
45°	4543	4704	4879
50°	4435	4660	4856
55°	4321	4599	4818
60°	4205	4531	4754
65°	4016	4412	4573
70°	3748	4213	4315
75°	3338	3817	3929
80°	2726	3310	3475
85°	1802	2633	2822

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4879 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	3.3
10°-20°	400.0	9.4
20°-30°	605.5	14.2
30°-40°	730.9	17.2
40°-50°	763.3	17.9
50°-60°	698.3	16.4
60°-70°	539.8	12.7
70°-80°	305.6	7.2
80°-90°	75.9	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°	1145.1	26.9
0°-40°	1876.0	44.0
0°-60°	3337.6	78.4
0°-90°	4259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1468	1478	1464	1465	1474	139
15°	1409	1421	1412	1418	1428	397
25°	1296	1312	1308	1320	1332	597
35°	1140	1156	1164	1183	1196	713
45°	953	972	987	1012	1024	734
55°	736	758	783	807	820	658
65°	504	524	553	570	574	497
75°	256	278	293	301	302	272
85°	47	54	68	71	73	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.2	1474.2	1474.2	1474.2	1474.2
2.5°	1472.4	1482.8	1466.9	1469.9	1473.0
5°	1467.5	1477.9	1463.8	1465.0	1473.6
7.5°	1458.3	1469.9	1455.2	1457.7	1468.1
10°	1445.4	1457.0	1444.2	1446.6	1457.0
12.5°	1428.8	1440.5	1429.4	1433.1	1444.8
15°	1408.6	1420.8	1411.6	1418.4	1428.2
17.5°	1384.0	1399.4	1389.6	1400.0	1409.8
20°	1358.3	1373.6	1366.2	1375.4	1387.1
22.5°	1328.8	1344.2	1338.6	1348.5	1361.3
25°	1295.7	1312.3	1308.0	1320.2	1332.5
27.5°	1261.3	1277.3	1276.1	1289.6	1302.4
30°	1222.7	1239.9	1240.5	1256.4	1268.7
32.5°	1184.0	1199.4	1203.1	1220.8	1235.0
35°	1140.5	1156.4	1163.8	1183.4	1195.7
37.5°	1096.3	1114.1	1122.1	1143.5	1156.4
40°	1047.8	1068.1	1079.1	1101.8	1115.3
42.5°	1001.8	1020.2	1035.0	1057.7	1069.9
45°	953.4	971.8	987.1	1012.3	1023.9
47.5°	901.2	921.5	938.0	962.6	975.5
50°	846.0	868.1	888.9	912.9	926.4
52.5°	791.4	812.9	836.8	860.1	873.6
55°	735.6	757.7	782.8	807.4	820.2
57.5°	679.1	701.2	728.8	750.9	764.4
60°	623.9	644.2	672.4	694.5	705.5
62.5°	561.3	584.7	613.5	635.6	641.7
65°	503.7	524.5	553.4	569.9	573.6
67.5°	442.3	463.2	492.0	501.2	506.7
70°	380.4	402.5	427.6	433.7	438.0
72.5°	317.8	340.5	360.1	366.3	369.9
75°	256.4	278.5	293.2	300.6	301.8
77.5°	196.9	217.2	230.7	239.3	239.3
80°	140.5	155.8	170.6	179.8	179.1
82.5°	89.6	101.2	116.6	123.3	127.6
85°	46.6	54.0	68.1	71.2	73.0
87.5°	14.7	19.0	24.5	20.2	19.6
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	17.25	18.90	17.61	19.21	19.53	17.79	19.44	18.15	19.75	20.07
	3H	19.02	20.52	19.40	20.84	21.20	19.65	21.14	20.03	21.47	21.83
	4H	19.65	21.05	20.04	21.40	21.78	20.32	21.73	20.72	22.08	22.45
	6H	20.05	21.36	20.46	21.72	22.11	20.81	22.11	21.22	22.48	22.87
	8H	20.15	21.40	20.58	21.79	22.19	20.96	22.21	21.39	22.60	23.00
	12H	20.20	21.39	20.63	21.78	22.20	21.06	22.26	21.49	22.64	23.07
4H	2H	17.99	19.40	18.39	19.74	20.12	18.41	19.82	18.81	20.16	20.54
	3H	19.98	21.16	20.39	21.56	21.96	20.49	21.67	20.90	22.07	22.47
	4H	20.73	21.80	21.16	22.21	22.65	21.29	22.36	21.72	22.77	23.21
	6H	21.25	22.18	21.70	22.62	23.08	21.90	22.84	22.36	23.28	23.73
	8H	21.38	22.26	21.84	22.70	23.17	22.11	22.98	22.57	23.42	23.89
	12H	21.46	22.25	21.94	22.72	23.19	22.25	23.03	22.73	23.51	23.98
8H	4H	21.08	21.96	21.54	22.40	22.87	21.58	22.45	22.04	22.90	23.36
	6H	21.72	22.44	22.21	22.93	23.41	22.31	23.04	22.80	23.53	24.00
	8H	21.91	22.56	22.42	23.07	23.55	22.58	23.24	23.09	23.74	24.23
	12H	22.04	22.61	22.54	23.10	23.66	22.79	23.37	23.30	23.86	24.42
12H	4H	21.13	21.91	21.61	22.39	22.86	21.60	22.39	22.08	22.86	23.33
	6H	21.78	22.44	22.29	22.94	23.43	22.35	23.01	22.86	23.51	24.00
	8H	22.03	22.61	22.54	23.10	23.66	22.68	23.26	23.19	23.75	24.31