

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: P1585687

Luminaire Tested: 14CZSP-SB-42-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585687
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-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

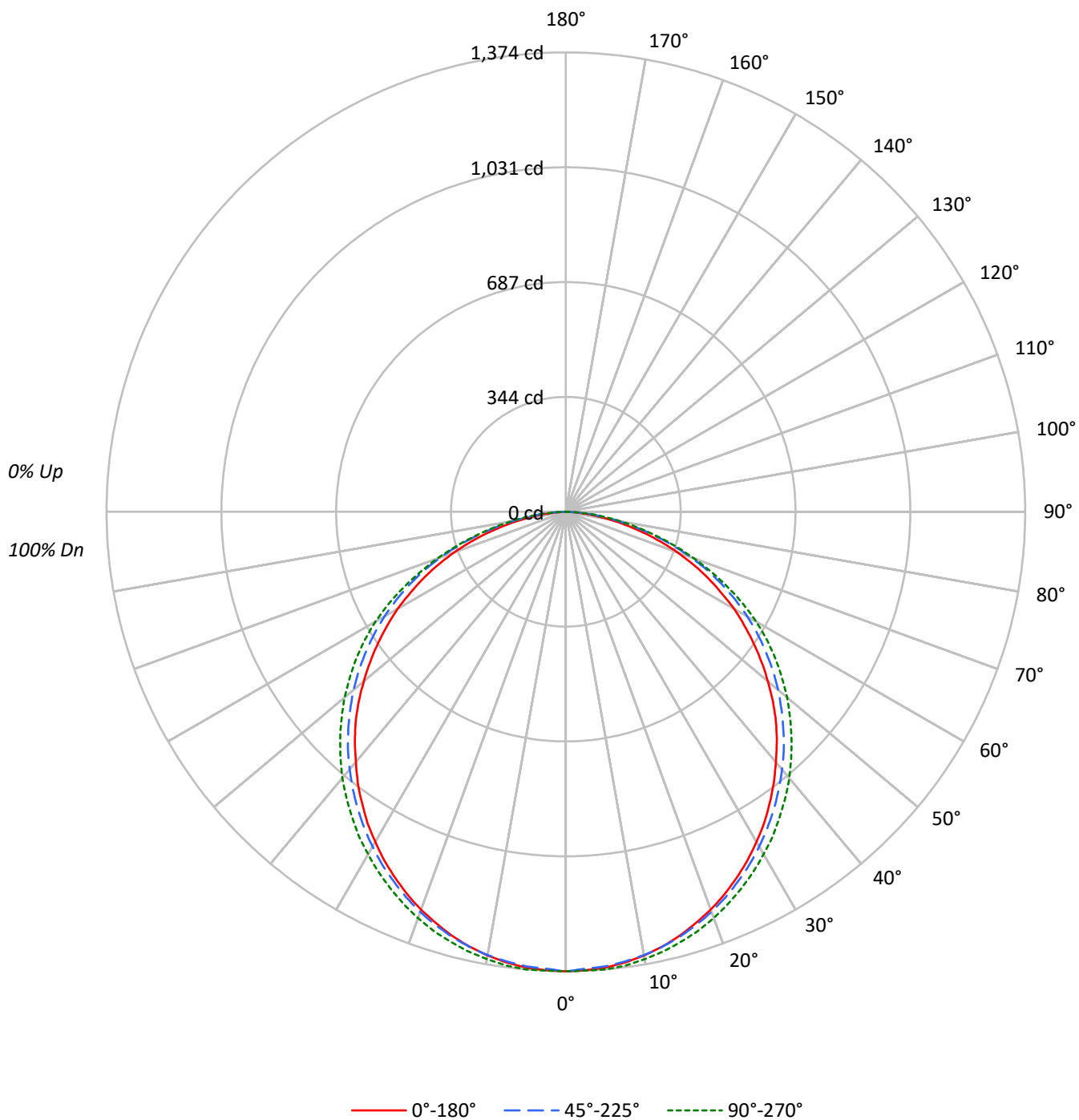
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3971.0 lumens
Efficiency: N/A
Efficacy: 139.3 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°	4631	4631	4631
5°	4628	4616	4647
10°	4611	4607	4648
15°	4581	4591	4645
20°	4541	4568	4638
25°	4492	4534	4619
30°	4436	4500	4602
35°	4374	4464	4586
40°	4298	4426	4574
45°	4236	4386	4549
50°	4135	4345	4528
55°	4029	4288	4493
60°	3920	4225	4433
65°	3744	4113	4264
70°	3494	3928	4024
75°	3113	3559	3664
80°	2542	3085	3241
85°	1682	2455	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	3.3
10°-20°	372.9	9.4
20°-30°	564.6	14.2
30°-40°	681.5	17.2
40°-50°	711.7	17.9
50°-60°	651.1	16.4
60°-70°	503.3	12.7
70°-80°	285.0	7.2
80°-90°	70.8	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°	1067.7	26.9
0°-40°	1749.2	44.0
0°-60°	3111.9	78.4
0°-90°	3971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1374	1374	1374	1374	1374	
5°	1368	1378	1365	1366	1374	130
15°	1313	1325	1316	1322	1332	370
25°	1208	1224	1220	1231	1242	557
35°	1063	1078	1085	1103	1115	665
45°	889	906	920	944	955	685
55°	686	706	730	753	765	613
65°	470	489	516	531	535	464
75°	239	260	273	280	281	254
85°	44	50	64	66	68	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1374.5	1374.5	1374.5	1374.5	1374.5
2.5°	1372.8	1382.5	1367.7	1370.5	1373.4
5°	1368.2	1378.0	1364.8	1366.0	1374.0
7.5°	1359.7	1370.5	1356.8	1359.1	1368.8
10°	1347.6	1358.5	1346.5	1348.8	1358.5
12.5°	1332.2	1343.1	1332.8	1336.2	1347.1
15°	1313.3	1324.8	1316.2	1322.5	1331.6
17.5°	1290.4	1304.7	1295.6	1305.3	1314.5
20°	1266.4	1280.7	1273.9	1282.4	1293.3
22.5°	1239.0	1253.3	1248.1	1257.3	1269.3
25°	1208.1	1223.5	1219.5	1231.0	1242.4
27.5°	1176.0	1190.9	1189.8	1202.4	1214.4
30°	1140.0	1156.0	1156.6	1171.5	1182.9
32.5°	1104.0	1118.3	1121.7	1138.3	1151.4
35°	1063.4	1078.2	1085.1	1103.4	1114.8
37.5°	1022.2	1038.8	1046.2	1066.2	1078.2
40°	977.0	995.9	1006.2	1027.3	1039.9
42.5°	934.1	951.2	965.0	986.1	997.6
45°	888.9	906.1	920.4	943.8	954.7
47.5°	840.3	859.2	874.6	897.5	909.5
50°	788.8	809.4	828.8	851.1	863.7
52.5°	737.9	757.9	780.2	802.0	814.5
55°	685.8	706.4	729.9	752.8	764.8
57.5°	633.2	653.8	679.5	700.1	712.7
60°	581.7	600.6	626.9	647.5	657.8
62.5°	523.4	545.1	572.0	592.6	598.3
65°	469.6	489.1	515.9	531.4	534.8
67.5°	412.4	431.9	458.7	467.3	472.5
70°	354.6	375.2	398.7	404.4	408.4
72.5°	296.3	317.5	335.8	341.5	344.9
75°	239.1	259.7	273.4	280.3	281.4
77.5°	183.6	202.5	215.1	223.1	223.1
80°	131.0	145.3	159.0	167.6	167.0
82.5°	83.5	94.4	108.7	115.0	119.0
85°	43.5	50.3	63.5	66.4	68.1
87.5°	13.7	17.7	22.9	18.9	18.3
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	17.01	18.66	17.37	18.97	19.28	17.55	19.20	17.91	19.51	19.83
	3H	18.78	20.27	19.16	20.60	20.96	19.41	20.90	19.78	21.23	21.59
	4H	19.40	20.81	19.80	21.16	21.53	20.08	21.49	20.48	21.83	22.21
	6H	19.81	21.11	20.22	21.48	21.87	20.56	21.87	20.97	22.23	22.62
	8H	19.91	21.16	20.33	21.54	21.94	20.72	21.97	21.14	22.36	22.76
	12H	19.96	21.15	20.39	21.53	21.96	20.82	22.01	21.25	22.40	22.82
4H	2H	17.74	19.15	18.14	19.50	19.88	18.17	19.57	18.56	19.92	20.30
	3H	19.74	20.92	20.15	21.32	21.72	20.24	21.43	20.65	21.82	22.22
	4H	20.49	21.56	20.92	21.97	22.40	21.05	22.12	21.48	22.53	22.96
	6H	21.01	21.94	21.46	22.38	22.83	21.66	22.60	22.11	23.04	23.49
	8H	21.14	22.02	21.60	22.46	22.92	21.86	22.74	22.32	23.18	23.65
	12H	21.22	22.00	21.70	22.48	22.95	22.00	22.79	22.48	23.26	23.73
8H	4H	20.84	21.72	21.30	22.16	22.62	21.34	22.21	21.80	22.65	23.12
	6H	21.47	22.20	21.97	22.69	23.16	22.07	22.80	22.56	23.28	23.76
	8H	21.67	22.32	22.18	22.83	23.31	22.34	22.99	22.85	23.50	23.98
	12H	21.79	22.37	22.30	22.86	23.42	22.55	23.12	23.05	23.61	24.17
12H	4H	20.88	21.67	21.36	22.14	22.61	21.36	22.15	21.84	22.62	23.09
	6H	21.54	22.19	22.05	22.70	23.18	22.11	22.76	22.62	23.27	23.75
	8H	21.79	22.36	22.29	22.85	23.41	22.44	23.01	22.94	23.50	24.06