

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: P1585705

Luminaire Tested: 14CZSP-SB-43HE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585705
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-43HE-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

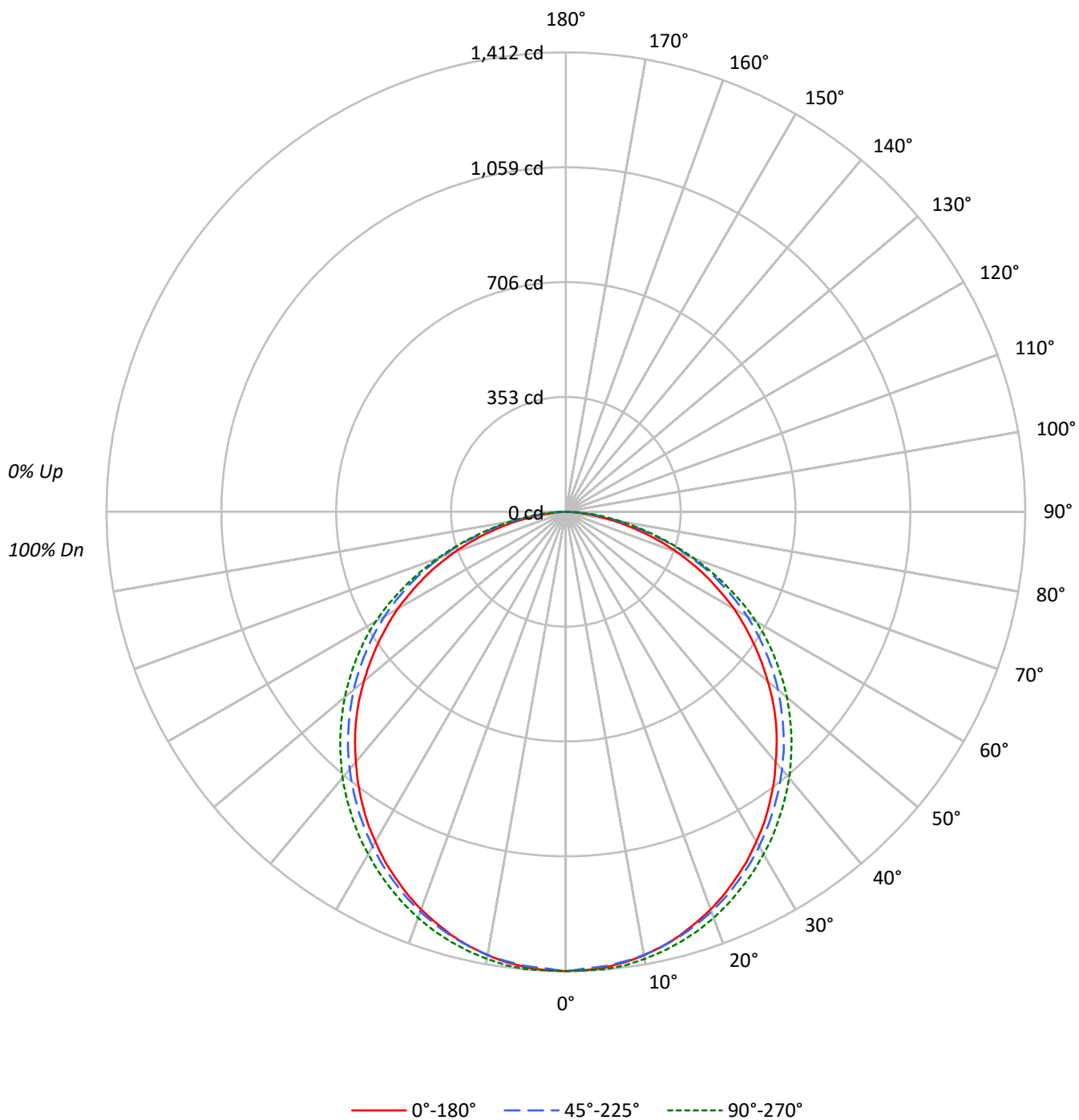
Lumens per Lamp: N/A
Luminaire Lumens: 4079.0 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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°	4758	4758	4758
5°	4754	4742	4774
10°	4736	4732	4775
15°	4706	4716	4771
20°	4665	4692	4764
25°	4614	4657	4745
30°	4556	4623	4728
35°	4493	4585	4711
40°	4415	4546	4699
45°	4351	4505	4673
50°	4247	4463	4651
55°	4139	4404	4615
60°	4027	4340	4554
65°	3846	4226	4380
70°	3589	4034	4133
75°	3197	3657	3764
80°	2612	3169	3330
85°	1728	2521	2702

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4673 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.7	3.3
10°-20°	383.1	9.4
20°-30°	580.0	14.2
30°-40°	700.0	17.2
40°-50°	731.1	17.9
50°-60°	668.8	16.4
60°-70°	517.0	12.7
70°-80°	292.7	7.2
80°-90°	72.7	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°	1096.7	26.9
0°-40°	1796.8	44.0
0°-60°	3196.6	78.4
0°-90°	4079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1412	1412	1412	1412	1412	
5°	1406	1415	1402	1403	1411	133
15°	1349	1361	1352	1358	1368	380
25°	1241	1257	1253	1264	1276	572
35°	1092	1108	1115	1133	1145	683
45°	913	931	945	970	981	703
55°	704	726	750	773	786	630
65°	482	502	530	546	549	476
75°	246	267	281	288	289	260
85°	45	52	65	68	70	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1411.9	1411.9	1411.9	1411.9	1411.9
2.5°	1410.2	1420.1	1404.9	1407.8	1410.7
5°	1405.5	1415.4	1401.9	1403.1	1411.3
7.5°	1396.6	1407.8	1393.7	1396.1	1406.0
10°	1384.3	1395.5	1383.1	1385.5	1395.5
12.5°	1368.4	1379.6	1369.0	1372.5	1383.7
15°	1349.0	1360.8	1352.0	1358.4	1367.8
17.5°	1325.5	1340.2	1330.8	1340.8	1350.2
20°	1300.9	1315.6	1308.5	1317.3	1328.5
22.5°	1272.7	1287.4	1282.1	1291.5	1303.8
25°	1240.9	1256.8	1252.7	1264.4	1276.2
27.5°	1208.0	1223.3	1222.1	1235.1	1247.4
30°	1171.0	1187.5	1188.1	1203.3	1215.1
32.5°	1134.0	1148.7	1152.2	1169.3	1182.8
35°	1092.3	1107.6	1114.6	1133.4	1145.2
37.5°	1050.0	1067.0	1074.7	1095.2	1107.6
40°	1003.6	1022.9	1033.5	1055.3	1068.2
42.5°	959.5	977.1	991.2	1013.0	1024.7
45°	913.1	930.7	945.4	969.5	980.6
47.5°	863.1	882.5	898.4	921.9	934.2
50°	810.2	831.4	851.4	874.3	887.2
52.5°	758.0	778.5	801.4	823.8	836.7
55°	704.5	725.6	749.7	773.2	785.6
57.5°	650.4	671.6	698.0	719.2	732.1
60°	597.6	616.9	644.0	665.1	675.7
62.5°	537.6	559.9	587.6	608.7	614.6
65°	482.4	502.4	530.0	545.8	549.4
67.5°	423.6	443.6	471.2	480.0	485.3
70°	364.3	385.4	409.5	415.4	419.5
72.5°	304.4	326.1	344.9	350.8	354.3
75°	245.6	266.8	280.9	287.9	289.1
77.5°	188.6	208.0	220.9	229.1	229.1
80°	134.6	149.2	163.3	172.2	171.6
82.5°	85.8	96.9	111.6	118.1	122.2
85°	44.7	51.7	65.2	68.2	69.9
87.5°	14.1	18.2	23.5	19.4	18.8
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	17.10	18.75	17.46	19.06	19.38	17.64	19.29	18.00	19.60	19.92
	3H	18.87	20.37	19.25	20.69	21.05	19.50	20.99	19.88	21.32	21.68
	4H	19.50	20.90	19.89	21.25	21.63	20.17	21.58	20.57	21.93	22.30
	6H	19.90	21.21	20.31	21.57	21.96	20.66	21.96	21.07	22.33	22.72
	8H	20.00	21.25	20.43	21.64	22.04	20.81	22.06	21.24	22.45	22.85
	12H	20.05	21.25	20.48	21.63	22.06	20.91	22.11	21.34	22.49	22.92
4H	2H	17.84	19.25	18.24	19.59	19.97	18.26	19.67	18.66	20.01	20.39
	3H	19.83	21.01	20.24	21.41	21.81	20.34	21.52	20.75	21.92	22.32
	4H	20.58	21.65	21.01	22.06	22.50	21.14	22.21	21.57	22.62	23.06
	6H	21.10	22.03	21.55	22.47	22.93	21.75	22.69	22.21	23.13	23.58
	8H	21.23	22.11	21.69	22.55	23.02	21.96	22.83	22.42	23.27	23.74
	12H	21.31	22.10	21.79	22.57	23.04	22.10	22.88	22.58	23.36	23.83
8H	4H	20.93	21.81	21.39	22.25	22.72	21.43	22.30	21.89	22.75	23.21
	6H	21.57	22.29	22.06	22.78	23.26	22.16	22.89	22.65	23.38	23.85
	8H	21.76	22.41	22.27	22.92	23.40	22.43	23.09	22.94	23.59	24.08
	12H	21.89	22.46	22.39	22.95	23.51	22.64	23.22	23.15	23.71	24.27
12H	4H	20.98	21.76	21.46	22.24	22.71	21.45	22.24	21.93	22.71	23.18
	6H	21.63	22.29	22.14	22.79	23.28	22.20	22.86	22.71	23.36	23.85
	8H	21.88	22.46	22.39	22.95	23.51	22.53	23.11	23.04	23.60	24.16