

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: P1585710

Luminaire Tested: 14CZSP-SB-43HE-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585710
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-43HE-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 4000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

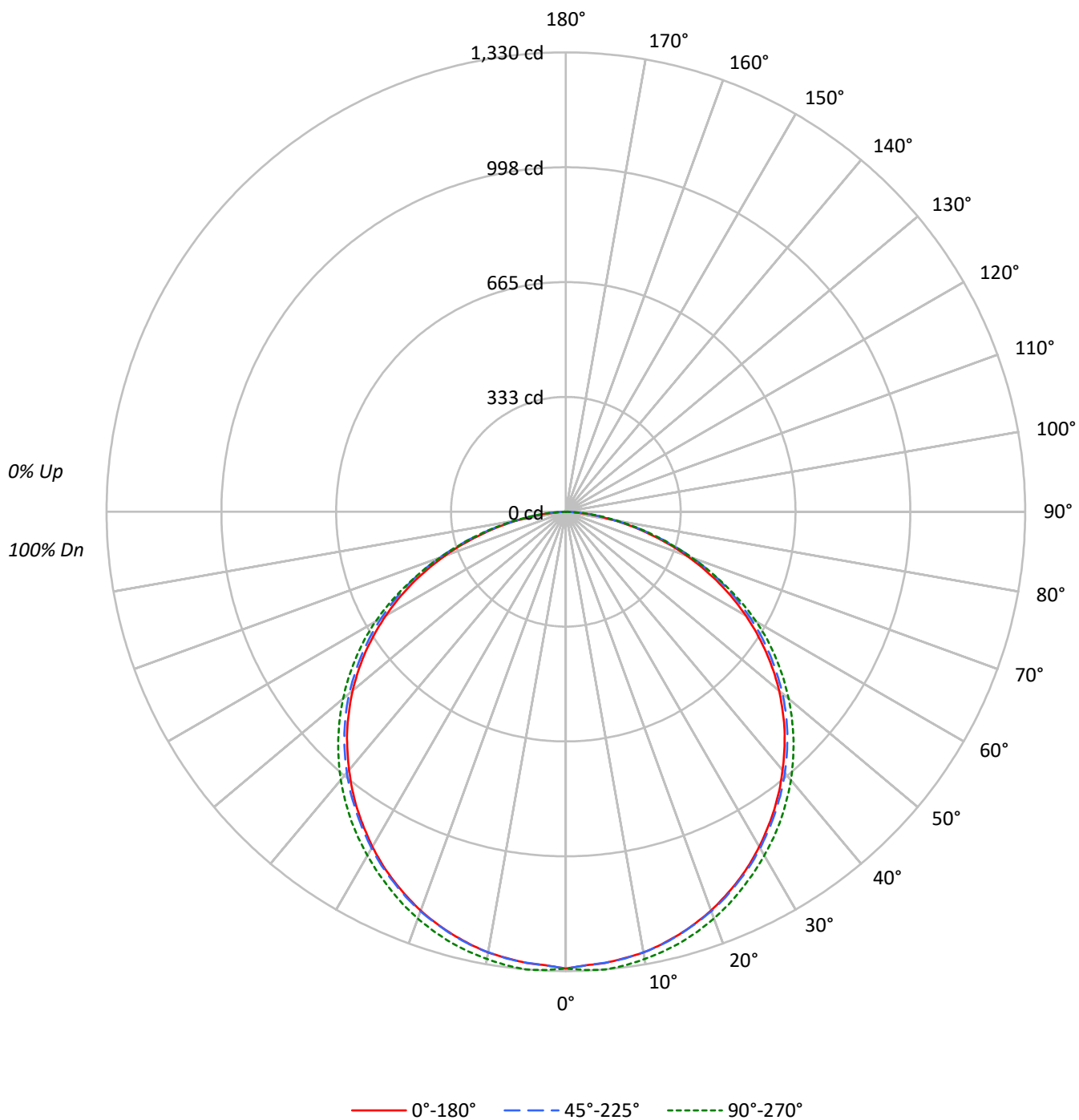
Lumens per Lamp: N/A
Luminaire Lumens: 3903.0 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4457	4457	4457
5°	4435	4433	4500
10°	4433	4431	4499
15°	4420	4424	4501
20°	4406	4415	4494
25°	4384	4395	4479
30°	4358	4376	4472
35°	4329	4356	4469
40°	4295	4340	4461
45°	4269	4323	4443
50°	4226	4292	4414
55°	4160	4238	4371
60°	4060	4165	4294
65°	3908	4055	4098
70°	3674	3845	3822
75°	3299	3440	3463
80°	2724	2864	3015
85°	1825	2126	2242

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	3.2
10°-20°	360.3	9.2
20°-30°	548.7	14.1
30°-40°	667.8	17.1
40°-50°	704.0	18.0
50°-60°	648.4	16.6
60°-70°	500.8	12.8
70°-80°	280.2	7.2
80°-90°	67.5	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°	1034.3	26.5
0°-40°	1702.1	43.6
0°-60°	3054.5	78.3
0°-90°	3903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3903.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1323	1323	1323	1323	1323	
5°	1311	1330	1311	1312	1330	125
15°	1267	1284	1268	1275	1290	358
25°	1179	1196	1182	1190	1205	543
35°	1052	1068	1059	1072	1086	658
45°	896	908	907	921	932	690
55°	708	720	721	736	744	632
65°	490	504	509	513	514	484
75°	253	269	264	264	266	269
85°	47	52	55	62	58	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1322.6	1322.6	1322.6	1322.6	1322.6
2.5°	1314.2	1333.3	1314.2	1317.2	1328.0
5°	1311.2	1329.8	1310.6	1312.4	1330.4
7.5°	1303.5	1322.6	1304.7	1307.0	1324.4
10°	1295.7	1313.0	1295.1	1298.1	1314.8
12.5°	1282.5	1300.5	1283.7	1287.3	1304.1
15°	1267.0	1284.3	1268.2	1275.4	1290.3
17.5°	1249.1	1265.8	1250.3	1258.6	1273.0
20°	1228.8	1244.9	1231.1	1237.1	1253.3
22.5°	1204.8	1221.6	1208.4	1213.8	1231.1
25°	1179.1	1195.9	1182.1	1189.9	1204.8
27.5°	1151.1	1167.2	1155.2	1164.8	1178.0
30°	1120.0	1135.5	1124.8	1136.1	1149.3
32.5°	1086.5	1103.2	1092.5	1105.6	1118.8
35°	1052.4	1068.0	1059.0	1072.2	1086.5
37.5°	1015.4	1030.3	1023.8	1037.5	1050.7
40°	976.5	993.3	986.7	1001.1	1014.2
42.5°	936.5	952.6	947.3	962.2	973.6
45°	895.9	908.4	907.2	921.0	932.3
47.5°	851.0	866.6	864.2	877.9	888.1
50°	806.2	818.8	818.8	831.9	842.1
52.5°	757.8	770.4	770.4	785.9	794.3
55°	708.2	720.2	721.4	736.3	744.1
57.5°	655.6	668.2	670.6	685.5	692.7
60°	602.4	614.4	618.0	632.9	637.1
62.5°	546.8	561.2	563.0	574.9	577.3
65°	490.1	504.4	508.6	513.4	514.0
67.5°	432.1	447.0	451.2	451.2	451.2
70°	372.9	386.7	390.3	387.9	387.9
72.5°	313.2	328.1	326.3	323.9	325.1
75°	253.4	268.9	264.2	263.6	266.0
77.5°	196.0	211.0	203.2	208.0	208.6
80°	140.4	151.8	147.6	154.8	155.4
82.5°	90.2	97.4	98.6	104.6	102.8
85°	47.2	52.0	55.0	61.6	58.0
87.5°	14.9	19.7	17.9	20.9	16.1
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	17.23	18.88	17.59	19.20	19.51	17.44	19.10	17.81	19.41	19.73
	3H	19.05	20.55	19.42	20.87	21.23	19.24	20.74	19.62	21.07	21.43
	4H	19.69	21.11	20.09	21.45	21.83	19.88	21.29	20.28	21.64	22.02
	6H	20.12	21.43	20.53	21.80	22.19	20.33	21.64	20.74	22.01	22.40
	8H	20.23	21.48	20.66	21.87	22.27	20.47	21.72	20.89	22.11	22.50
	12H	20.28	21.48	20.71	21.87	22.29	20.54	21.74	20.97	22.12	22.55
4H	2H	17.91	19.32	18.30	19.67	20.04	18.08	19.49	18.47	19.84	20.21
	3H	19.95	21.13	20.36	21.53	21.93	20.09	21.27	20.50	21.67	22.07
	4H	20.73	21.80	21.16	22.21	22.65	20.85	21.92	21.28	22.33	22.77
	6H	21.28	22.21	21.73	22.65	23.11	21.42	22.36	21.88	22.80	23.25
	8H	21.42	22.30	21.88	22.74	23.21	21.60	22.47	22.06	22.92	23.38
	12H	21.51	22.29	21.99	22.77	23.24	21.71	22.50	22.19	22.97	23.44
8H	4H	21.03	21.91	21.49	22.35	22.82	21.14	22.02	21.60	22.46	22.93
	6H	21.69	22.42	22.19	22.91	23.38	21.82	22.55	22.32	23.04	23.51
	8H	21.90	22.55	22.41	23.06	23.54	22.06	22.72	22.57	23.22	23.71
	12H	22.03	22.61	22.54	23.10	23.66	22.24	22.82	22.75	23.31	23.87
12H	4H	21.07	21.85	21.54	22.33	22.80	21.17	21.96	21.65	22.43	22.90
	6H	21.74	22.39	22.25	22.90	23.38	21.87	22.52	22.37	23.03	23.51
	8H	21.99	22.57	22.50	23.06	23.62	22.16	22.73	22.66	23.22	23.78