

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: P1585711

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585711
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-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

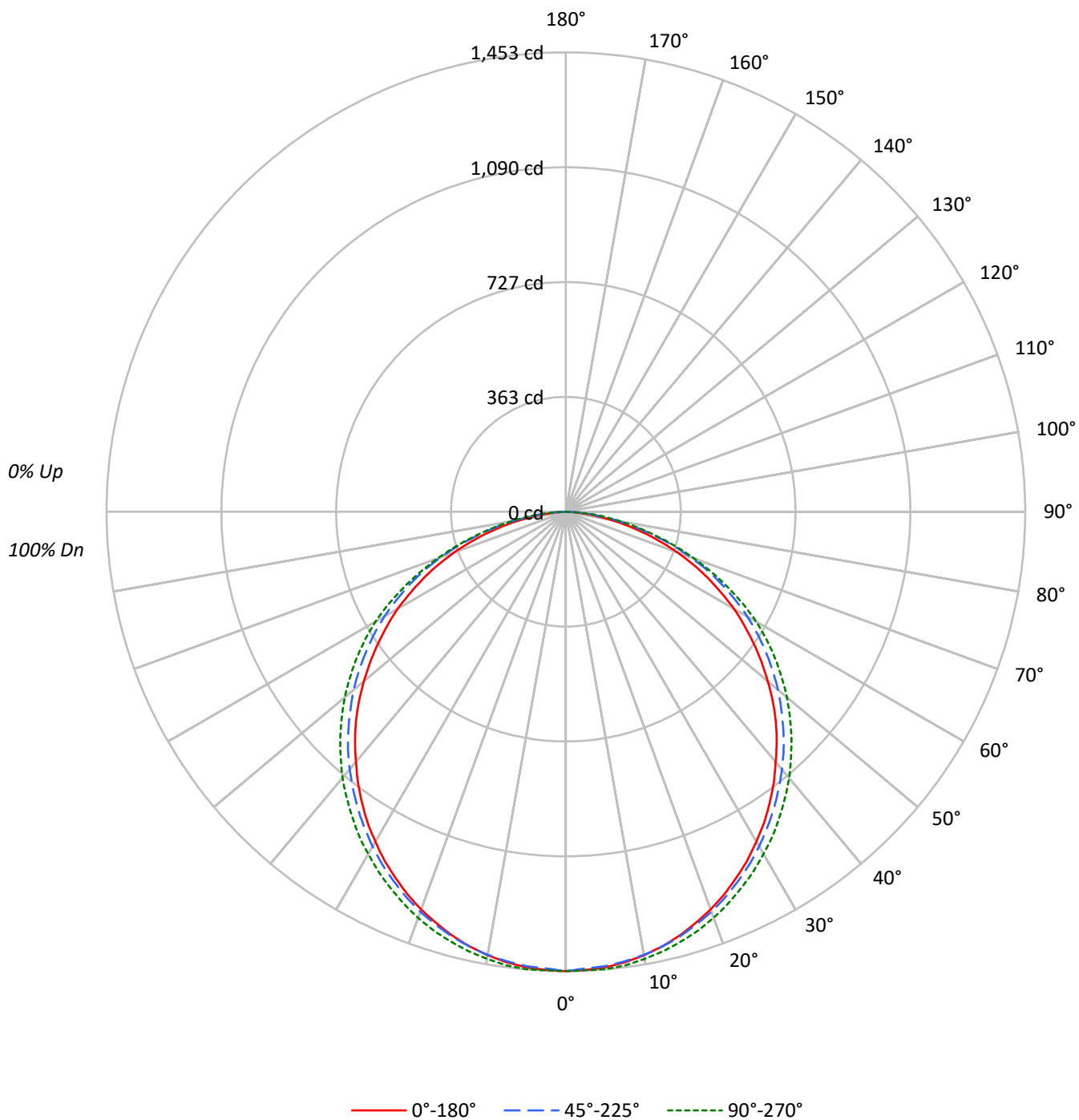
Lumens per Lamp: N/A
Luminaire Lumens: 4197.0 lumens
Efficiency: N/A
Efficacy: 145.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1585711

CATALOG NUMBER: 14CZSP-SB-43HE-L950

Luminous Intensity Polar Plot



TEST NUMBER: P1585711

CATALOG NUMBER: 14CZSP-SB-43HE-L950

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°	4895	4895	4895
5°	4891	4879	4912
10°	4873	4869	4913
15°	4842	4853	4910
20°	4800	4828	4901
25°	4747	4792	4882
30°	4688	4756	4864
35°	4623	4718	4847
40°	4542	4678	4835
45°	4477	4635	4808
50°	4370	4592	4786
55°	4259	4532	4749
60°	4143	4465	4685
65°	3957	4348	4507
70°	3693	4152	4253
75°	3290	3763	3872
80°	2686	3262	3425
85°	1775	2594	2780

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4808 cd/sqm

TEST NUMBER: P1585711

CATALOG NUMBER: 14CZSP-SB-43HE-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.6	3.3
10°-20°	394.1	9.4
20°-30°	596.7	14.2
30°-40°	720.3	17.2
40°-50°	752.2	17.9
50°-60°	688.1	16.4
60°-70°	532.0	12.7
70°-80°	301.2	7.2
80°-90°	74.8	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°	1128.5	26.9
0°-40°	1848.7	44.0
0°-60°	3289.0	78.4
0°-90°	4197.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4197.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1453	1453	1453	1453	1453	
5°	1446	1456	1442	1444	1452	137
15°	1388	1400	1391	1398	1407	391
25°	1277	1293	1289	1301	1313	588
35°	1124	1140	1147	1166	1178	703
45°	940	958	973	998	1009	724
55°	725	747	771	796	808	648
65°	496	517	545	562	565	490
75°	253	274	289	296	297	268
85°	46	53	67	70	72	59
90°	0	0	0	0	0	

TEST NUMBER: P1585711

CATALOG NUMBER: 14CZSP-SB-43HE-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1452.8	1452.8	1452.8	1452.8	1452.8
2.5°	1450.9	1461.2	1445.5	1448.5	1451.6
5°	1446.1	1456.4	1442.5	1443.7	1452.2
7.5°	1437.0	1448.5	1434.0	1436.4	1446.7
10°	1424.3	1435.8	1423.1	1425.6	1435.8
12.5°	1408.0	1419.5	1408.6	1412.3	1423.7
15°	1388.1	1400.2	1391.1	1397.7	1407.4
17.5°	1363.9	1379.0	1369.3	1379.6	1389.3
20°	1338.5	1353.6	1346.4	1355.4	1366.9
22.5°	1309.5	1324.6	1319.2	1328.8	1341.5
25°	1276.8	1293.2	1288.9	1301.0	1313.1
27.5°	1243.0	1258.7	1257.5	1270.8	1283.5
30°	1204.9	1221.8	1222.4	1238.1	1250.2
32.5°	1166.8	1181.9	1185.5	1203.1	1217.0
35°	1123.9	1139.6	1146.9	1166.2	1178.3
37.5°	1080.3	1097.9	1105.7	1126.9	1139.6
40°	1032.6	1052.5	1063.4	1085.8	1099.1
42.5°	987.2	1005.4	1019.9	1042.3	1054.4
45°	939.5	957.6	972.7	997.5	1009.0
47.5°	888.1	908.1	924.4	948.6	961.3
50°	833.7	855.5	876.0	899.6	912.9
52.5°	779.9	801.0	824.6	847.6	860.9
55°	724.9	746.6	771.4	795.6	808.3
57.5°	669.2	691.0	718.2	740.0	753.3
60°	614.8	634.8	662.6	684.4	695.2
62.5°	553.2	576.1	604.6	626.3	632.4
65°	496.3	516.9	545.3	561.6	565.3
67.5°	435.9	456.4	484.9	493.9	499.4
70°	374.8	396.6	421.4	427.4	431.7
72.5°	313.2	335.5	354.9	360.9	364.6
75°	252.7	274.5	289.0	296.2	297.4
77.5°	194.1	214.0	227.3	235.8	235.8
80°	138.4	153.6	168.1	177.1	176.5
82.5°	88.3	99.8	114.9	121.5	125.7
85°	45.9	53.2	67.1	70.1	71.9
87.5°	14.5	18.7	24.2	20.0	19.3
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585711

CATALOG NUMBER: 14CZSP-SB-43HE-L950

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	17.20	18.85	17.56	19.16	19.48	17.74	19.39	18.10	19.70	20.02
	3H	18.97	20.46	19.35	20.79	21.15	19.60	21.09	19.98	21.42	21.78
	4H	19.59	21.00	19.99	21.35	21.72	20.27	21.68	20.67	22.03	22.40
	6H	20.00	21.31	20.41	21.67	22.06	20.76	22.06	21.17	22.43	22.82
	8H	20.10	21.35	20.52	21.74	22.13	20.91	22.16	21.34	22.55	22.95
	12H	20.15	21.34	20.58	21.73	22.15	21.01	22.21	21.44	22.59	23.02
4H	2H	17.94	19.35	18.33	19.69	20.07	18.36	19.77	18.76	20.11	20.49
	3H	19.93	21.11	20.34	21.51	21.91	20.44	21.62	20.85	22.02	22.42
	4H	20.68	21.75	21.11	22.16	22.60	21.24	22.31	21.67	22.72	23.16
	6H	21.20	22.13	21.65	22.57	23.03	21.85	22.79	22.31	23.23	23.68
	8H	21.33	22.21	21.79	22.65	23.11	22.06	22.93	22.52	23.37	23.84
	12H	21.41	22.20	21.89	22.67	23.14	22.20	22.98	22.67	23.46	23.93
8H	4H	21.03	21.91	21.49	22.35	22.81	21.53	22.40	21.99	22.84	23.31
	6H	21.67	22.39	22.16	22.88	23.36	22.26	22.99	22.75	23.48	23.95
	8H	21.86	22.51	22.37	23.02	23.50	22.53	23.19	23.04	23.69	24.18
	12H	21.99	22.56	22.49	23.05	23.61	22.74	23.32	23.25	23.81	24.37
12H	4H	21.07	21.86	21.55	22.34	22.81	21.55	22.34	22.03	22.81	23.28
	6H	21.73	22.38	22.24	22.89	23.38	22.30	22.96	22.81	23.46	23.95
	8H	21.98	22.56	22.49	23.05	23.61	22.63	23.21	23.14	23.70	24.26