

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: P1585650

Luminaire Tested: 14CZSP-SB-35-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585650
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-35-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

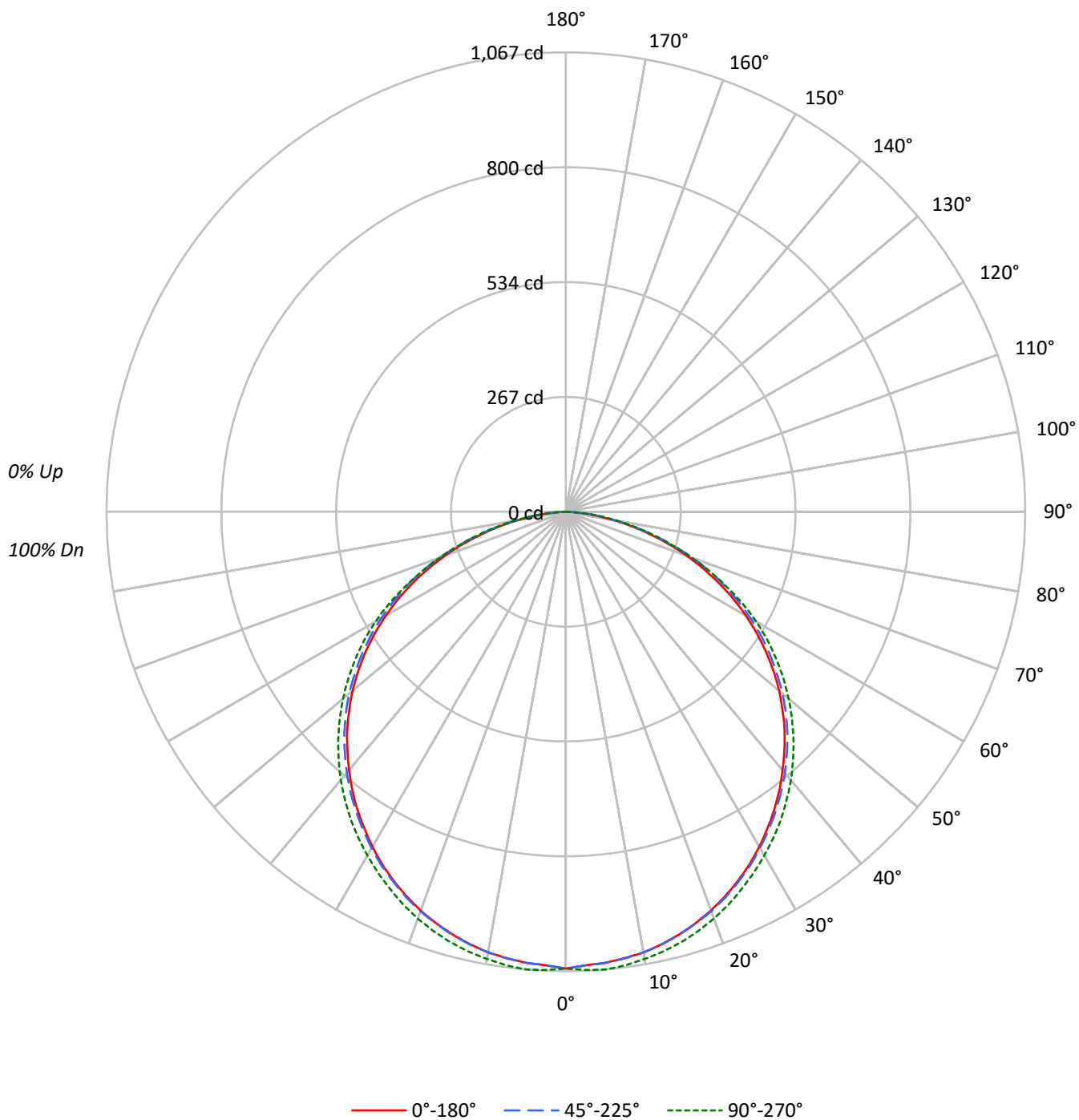
Lumens per Lamp: N/A
Luminaire Lumens: 3131.0 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
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: P1585650

CATALOG NUMBER: 14CZSP-SB-35-L950-S

Luminous Intensity Polar Plot



TEST NUMBER: P1585650

CATALOG NUMBER: 14CZSP-SB-35-L950-S

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°	3575	3575	3575
5°	3558	3556	3610
10°	3556	3555	3609
15°	3546	3549	3611
20°	3535	3541	3605
25°	3517	3526	3593
30°	3496	3511	3587
35°	3473	3495	3585
40°	3446	3482	3579
45°	3425	3468	3564
50°	3391	3443	3541
55°	3337	3400	3507
60°	3257	3341	3444
65°	3134	3253	3287
70°	2948	3085	3066
75°	2647	2759	2777
80°	2187	2298	2420
85°	1465	1705	1798

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3564 cd/sqm

TEST NUMBER: P1585650

CATALOG NUMBER: 14CZSP-SB-35-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	3.2
10°-20°	289.0	9.2
20°-30°	440.2	14.1
30°-40°	535.7	17.1
40°-50°	564.7	18.0
50°-60°	520.1	16.6
60°-70°	401.7	12.8
70°-80°	224.8	7.2
80°-90°	54.2	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°	829.8	26.5
0°-40°	1365.4	43.6
0°-60°	2450.3	78.3
0°-90°	3131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3131.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1061	1061	1061	1061	1061	
5°	1052	1067	1051	1053	1067	100
15°	1016	1030	1017	1023	1035	287
25°	946	959	948	954	966	436
35°	844	857	850	860	872	528
45°	719	729	728	739	748	554
55°	568	578	579	591	597	507
65°	393	405	408	412	412	388
75°	203	216	212	211	213	216
85°	38	42	44	49	46	49
90°	0	0	0	0	0	

TEST NUMBER: P1585650

CATALOG NUMBER: 14CZSP-SB-35-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1061.0	1061.0	1061.0	1061.0	1061.0
2.5°	1054.3	1069.6	1054.3	1056.7	1065.3
5°	1051.9	1066.7	1051.4	1052.8	1067.2
7.5°	1045.6	1061.0	1046.6	1048.5	1062.4
10°	1039.4	1053.3	1038.9	1041.3	1054.7
12.5°	1028.9	1043.2	1029.8	1032.7	1046.1
15°	1016.4	1030.3	1017.4	1023.1	1035.1
17.5°	1002.0	1015.4	1003.0	1009.7	1021.2
20°	985.7	998.7	987.6	992.4	1005.4
22.5°	966.5	980.0	969.4	973.7	987.6
25°	945.9	959.3	948.3	954.5	966.5
27.5°	923.4	936.3	926.7	934.4	945.0
30°	898.5	910.9	902.3	911.4	921.9
32.5°	871.6	885.0	876.4	886.9	897.5
35°	844.3	856.7	849.6	860.1	871.6
37.5°	814.6	826.5	821.3	832.3	842.8
40°	783.4	796.8	791.5	803.0	813.6
42.5°	751.3	764.2	759.9	771.9	781.0
45°	718.7	728.7	727.8	738.8	747.9
47.5°	682.7	695.2	693.3	704.3	712.4
50°	646.8	656.8	656.8	667.4	675.5
52.5°	607.9	618.0	618.0	630.5	637.2
55°	568.1	577.7	578.7	590.7	596.9
57.5°	525.9	536.0	537.9	549.9	555.7
60°	483.3	492.9	495.7	507.7	511.1
62.5°	438.7	450.2	451.6	461.2	463.1
65°	393.1	404.6	408.0	411.8	412.3
67.5°	346.6	358.6	362.0	362.0	362.0
70°	299.2	310.2	313.1	311.2	311.2
72.5°	251.2	263.2	261.8	259.9	260.8
75°	203.3	215.7	211.9	211.4	213.3
77.5°	157.3	169.2	163.0	166.8	167.3
80°	112.7	121.8	118.4	124.2	124.7
82.5°	72.4	78.1	79.1	83.9	82.5
85°	37.9	41.7	44.1	49.4	46.5
87.5°	12.0	15.8	14.4	16.8	12.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585650

CATALOG NUMBER: 14CZSP-SB-35-L950-S

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	16.46	18.12	16.83	18.43	18.74	16.68	18.33	17.04	18.65	18.96
	3H	18.28	19.78	18.66	20.11	20.47	18.48	19.98	18.85	20.30	20.66
	4H	18.93	20.34	19.33	20.69	21.06	19.12	20.53	19.51	20.88	21.25
	6H	19.36	20.67	19.77	21.03	21.42	19.57	20.88	19.98	21.24	21.63
	8H	19.47	20.72	19.89	21.11	21.50	19.70	20.95	20.12	21.34	21.74
	12H	19.52	20.72	19.95	21.10	21.53	19.78	20.98	20.21	21.36	21.79
4H	2H	17.14	18.55	17.54	18.90	19.27	17.31	18.72	17.71	19.07	19.44
	3H	19.18	20.37	19.59	20.76	21.16	19.32	20.51	19.73	20.91	21.31
	4H	19.96	21.03	20.39	21.45	21.88	20.08	21.15	20.51	21.57	22.00
	6H	20.51	21.45	20.96	21.89	22.34	20.66	21.59	21.11	22.03	22.49
	8H	20.66	21.53	21.12	21.98	22.44	20.83	21.71	21.29	22.15	22.61
	12H	20.74	21.53	21.22	22.00	22.47	20.94	21.73	21.42	22.21	22.68
8H	4H	20.27	21.15	20.73	21.59	22.05	20.38	21.25	20.84	21.70	22.16
	6H	20.93	21.66	21.42	22.14	22.62	21.06	21.79	21.55	22.27	22.75
	8H	21.13	21.79	21.64	22.29	22.78	21.30	21.95	21.81	22.46	22.94
	12H	21.27	21.85	21.77	22.34	22.90	21.47	22.05	21.98	22.54	23.10
12H	4H	20.30	21.09	20.78	21.56	22.03	20.40	21.19	20.88	21.67	22.14
	6H	20.97	21.63	21.48	22.13	22.62	21.10	21.75	21.61	22.26	22.75
	8H	21.23	21.81	21.74	22.30	22.86	21.39	21.97	21.90	22.46	23.02