

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: P1585664

Luminaire Tested: 14CZSP-SB-37HE-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585664
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-37HE-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

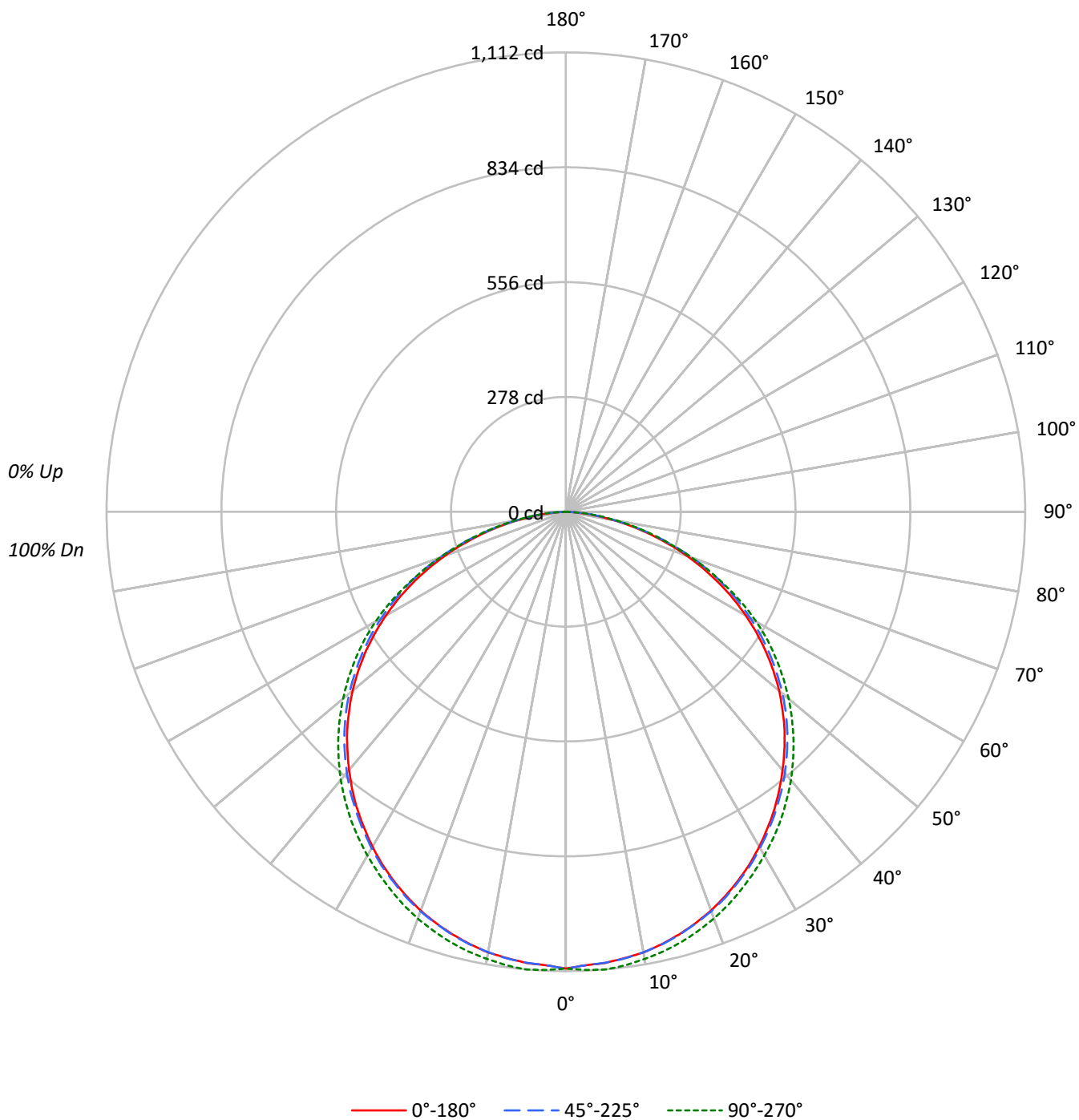
Lumens per Lamp: N/A
Luminaire Lumens: 3263.0 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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: P1585664

CATALOG NUMBER: 14CZSP-SB-37HE-L935-S

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°	3726	3726	3726
5°	3708	3706	3762
10°	3706	3705	3761
15°	3695	3698	3763
20°	3684	3691	3757
25°	3665	3674	3745
30°	3643	3659	3738
35°	3619	3642	3737
40°	3591	3628	3730
45°	3569	3614	3714
50°	3533	3588	3690
55°	3478	3543	3655
60°	3394	3481	3589
65°	3267	3390	3426
70°	3072	3215	3195
75°	2757	2875	2894
80°	2278	2395	2521
85°	1527	1778	1875

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3714 cd/sqm

TEST NUMBER: P1585664

CATALOG NUMBER: 14CZSP-SB-37HE-L935-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	3.2
10°-20°	301.2	9.2
20°-30°	458.7	14.1
30°-40°	558.3	17.1
40°-50°	588.5	18.0
50°-60°	542.1	16.6
60°-70°	418.7	12.8
70°-80°	234.3	7.2
80°-90°	56.5	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°	864.7	26.5
0°-40°	1423.0	43.6
0°-60°	2553.6	78.3
0°-90°	3263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1106	1106	1106	1106	1106	
5°	1096	1112	1096	1097	1112	104
15°	1059	1074	1060	1066	1079	299
25°	986	1000	988	995	1007	454
35°	880	893	885	896	908	550
45°	749	760	758	770	779	577
55°	592	602	603	616	622	528
65°	410	422	425	429	430	405
75°	212	225	221	220	222	225
85°	40	44	46	52	48	51
90°	0	0	0	0	0	

TEST NUMBER: P1585664

CATALOG NUMBER: 14CZSP-SB-37HE-L935-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1105.7	1105.7	1105.7	1105.7	1105.7
2.5°	1098.7	1114.7	1098.7	1101.2	1110.2
5°	1096.2	1111.7	1095.7	1097.2	1112.2
7.5°	1089.7	1105.7	1090.7	1092.7	1107.2
10°	1083.2	1097.7	1082.7	1085.2	1099.2
12.5°	1072.2	1087.2	1073.2	1076.2	1090.2
15°	1059.2	1073.7	1060.2	1066.2	1078.7
17.5°	1044.3	1058.2	1045.3	1052.2	1064.2
20°	1027.3	1040.8	1029.3	1034.3	1047.8
22.5°	1007.3	1021.3	1010.3	1014.8	1029.3
25°	985.8	999.8	988.3	994.8	1007.3
27.5°	962.3	975.8	965.8	973.8	984.8
30°	936.3	949.3	940.3	949.8	960.8
32.5°	908.4	922.3	913.3	924.3	935.3
35°	879.9	892.9	885.4	896.4	908.4
37.5°	848.9	861.4	855.9	867.4	878.4
40°	816.4	830.4	824.9	836.9	847.9
42.5°	782.9	796.4	791.9	804.4	813.9
45°	749.0	759.5	758.5	770.0	779.4
47.5°	711.5	724.5	722.5	734.0	742.5
50°	674.0	684.5	684.5	695.5	704.0
52.5°	633.5	644.0	644.0	657.0	664.0
55°	592.1	602.1	603.1	615.6	622.1
57.5°	548.1	558.6	560.6	573.1	579.1
60°	503.6	513.6	516.6	529.1	532.6
62.5°	457.2	469.2	470.7	480.7	482.7
65°	409.7	421.7	425.2	429.2	429.7
67.5°	361.2	373.7	377.2	377.2	377.2
70°	311.8	323.3	326.3	324.3	324.3
72.5°	261.8	274.3	272.8	270.8	271.8
75°	211.8	224.8	220.8	220.3	222.3
77.5°	163.9	176.4	169.9	173.9	174.4
80°	117.4	126.9	123.4	129.4	129.9
82.5°	75.4	81.4	82.4	87.4	85.9
85°	39.5	43.5	46.0	51.5	48.5
87.5°	12.5	16.5	15.0	17.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585664

CATALOG NUMBER: 14CZSP-SB-37HE-L935-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	16.60	18.26	16.97	18.57	18.89	16.82	18.48	17.19	18.79	19.10
	3H	18.43	19.92	18.80	20.25	20.61	18.62	20.12	19.00	20.45	20.81
	4H	19.07	20.48	19.47	20.83	21.21	19.26	20.67	19.66	21.02	21.39
	6H	19.50	20.81	19.91	21.17	21.56	19.71	21.02	20.12	21.39	21.78
	8H	19.61	20.86	20.03	21.25	21.65	19.84	21.09	20.27	21.48	21.88
	12H	19.66	20.86	20.09	21.24	21.67	19.92	21.12	20.35	21.50	21.93
4H	2H	17.28	18.70	17.68	19.04	19.42	17.45	18.87	17.85	19.21	19.59
	3H	19.32	20.51	19.73	20.91	21.31	19.47	20.65	19.88	21.05	21.45
	4H	20.10	21.18	20.54	21.59	22.02	20.23	21.30	20.66	21.71	22.15
	6H	20.65	21.59	21.11	22.03	22.49	20.80	21.74	21.25	22.18	22.63
	8H	20.80	21.68	21.26	22.12	22.58	20.97	21.85	21.43	22.29	22.76
	12H	20.88	21.67	21.36	22.15	22.62	21.09	21.88	21.57	22.35	22.82
8H	4H	20.41	21.29	20.87	21.73	22.20	20.52	21.40	20.98	21.84	22.30
	6H	21.07	21.80	21.56	22.29	22.76	21.20	21.93	21.69	22.42	22.89
	8H	21.28	21.93	21.78	22.44	22.92	21.44	22.09	21.95	22.60	23.08
	12H	21.41	21.99	21.92	22.48	23.04	21.62	22.19	22.12	22.68	23.24
12H	4H	20.44	21.23	20.92	21.71	22.17	20.55	21.34	21.03	21.81	22.28
	6H	21.12	21.77	21.62	22.28	22.76	21.24	21.90	21.75	22.40	22.89
	8H	21.37	21.95	21.88	22.44	23.00	21.53	22.11	22.04	22.60	23.16