

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: P1585684

Luminaire Tested: 14CZSP-SB-42-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585684
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-42-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

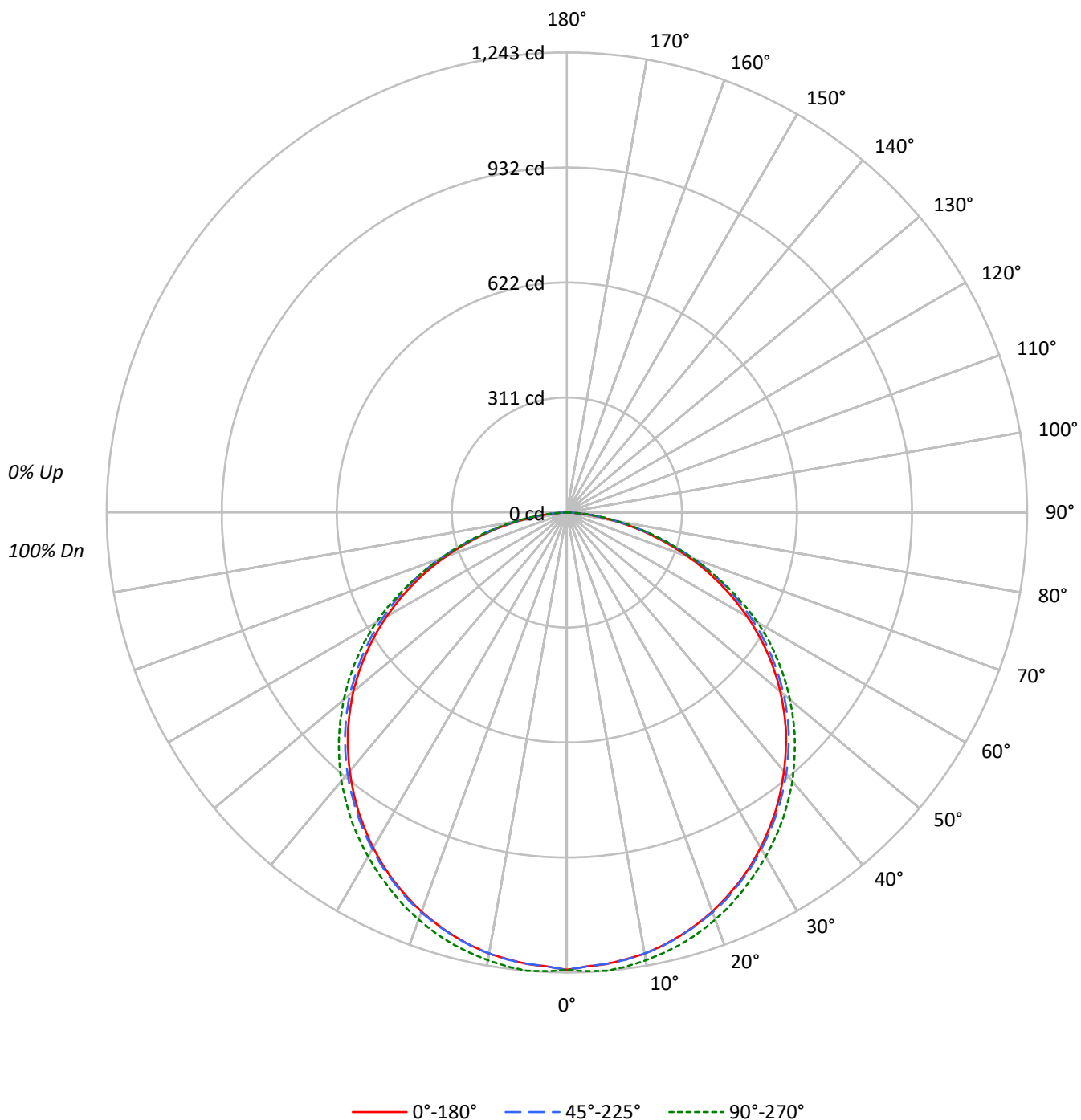
Lumens per Lamp: N/A
Luminaire Lumens: 3646.0 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4163	4163	4163
5°	4143	4141	4204
10°	4141	4139	4202
15°	4129	4133	4205
20°	4116	4124	4198
25°	4095	4106	4185
30°	4071	4088	4177
35°	4044	4069	4175
40°	4012	4054	4167
45°	3988	4039	4150
50°	3948	4010	4123
55°	3887	3959	4083
60°	3793	3891	4010
65°	3650	3788	3828
70°	3432	3592	3569
75°	3082	3213	3234
80°	2546	2676	2818
85°	1705	1987	2095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	3.2
10°-20°	336.6	9.2
20°-30°	512.6	14.1
30°-40°	623.8	17.1
40°-50°	657.6	18.0
50°-60°	605.7	16.6
60°-70°	467.8	12.8
70°-80°	261.8	7.2
80°-90°	63.1	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°	966.2	26.5
0°-40°	1590.0	43.6
0°-60°	2853.3	78.3
0°-90°	3646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1236	1236	1236	1236	1236	
5°	1225	1242	1224	1226	1243	116
15°	1184	1200	1185	1191	1205	334
25°	1102	1117	1104	1112	1126	508
35°	983	998	989	1002	1015	615
45°	837	849	848	860	871	645
55°	662	673	674	688	695	590
65°	458	471	475	480	480	452
75°	237	251	247	246	248	251
85°	44	49	51	58	54	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1235.5	1235.5	1235.5	1235.5	1235.5
2.5°	1227.7	1245.5	1227.7	1230.5	1240.5
5°	1224.9	1242.2	1224.3	1226.0	1242.8
7.5°	1217.6	1235.5	1218.7	1221.0	1237.2
10°	1210.4	1226.6	1209.8	1212.6	1228.2
12.5°	1198.1	1214.8	1199.2	1202.6	1218.2
15°	1183.6	1199.8	1184.7	1191.4	1205.3
17.5°	1166.8	1182.5	1167.9	1175.8	1189.2
20°	1147.8	1162.9	1150.1	1155.7	1170.7
22.5°	1125.5	1141.1	1128.9	1133.9	1150.1
25°	1101.5	1117.1	1104.3	1111.6	1125.5
27.5°	1075.3	1090.3	1079.2	1088.1	1100.4
30°	1046.2	1060.8	1050.7	1061.3	1073.6
32.5°	1015.0	1030.6	1020.6	1032.8	1045.1
35°	983.1	997.7	989.3	1001.6	1015.0
37.5°	948.5	962.5	956.4	969.2	981.5
40°	912.2	927.9	921.7	935.1	947.4
42.5°	874.8	889.9	884.9	898.8	909.5
45°	836.9	848.6	847.5	860.3	870.9
47.5°	795.0	809.5	807.3	820.1	829.6
50°	753.1	764.9	764.9	777.1	786.6
52.5°	707.9	719.6	719.6	734.2	742.0
55°	661.6	672.7	673.9	687.8	695.1
57.5°	612.4	624.2	626.4	640.4	647.1
60°	562.8	573.9	577.3	591.2	595.1
62.5°	510.8	524.2	525.9	537.1	539.3
65°	457.8	471.2	475.1	479.6	480.1
67.5°	403.6	417.6	421.5	421.5	421.5
70°	348.4	361.2	364.6	362.3	362.3
72.5°	292.5	306.5	304.8	302.6	303.7
75°	236.7	251.2	246.8	246.2	248.4
77.5°	183.1	197.1	189.8	194.3	194.8
80°	131.2	141.8	137.9	144.6	145.2
82.5°	84.3	91.0	92.1	97.7	96.0
85°	44.1	48.6	51.4	57.5	54.2
87.5°	14.0	18.4	16.7	19.5	15.1
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	16.99	18.65	17.35	18.96	19.27	17.21	18.86	17.57	19.18	19.49
	3H	18.81	20.31	19.19	20.64	21.00	19.01	20.51	19.38	20.83	21.19
	4H	19.46	20.87	19.86	21.22	21.59	19.64	21.06	20.04	21.40	21.78
	6H	19.89	21.20	20.30	21.56	21.95	20.10	21.41	20.51	21.77	22.16
	8H	19.99	21.25	20.42	21.63	22.03	20.23	21.48	20.65	21.87	22.27
	12H	20.05	21.25	20.48	21.63	22.06	20.31	21.50	20.73	21.89	22.31
4H	2H	17.67	19.08	18.07	19.43	19.80	17.84	19.25	18.24	19.60	19.97
	3H	19.71	20.90	20.12	21.29	21.69	19.85	21.04	20.26	21.43	21.83
	4H	20.49	21.56	20.92	21.98	22.41	20.61	21.68	21.04	22.10	22.53
	6H	21.04	21.98	21.49	22.42	22.87	21.19	22.12	21.64	22.56	23.02
	8H	21.19	22.06	21.65	22.50	22.97	21.36	22.24	21.82	22.68	23.14
	12H	21.27	22.06	21.75	22.53	23.00	21.47	22.26	21.95	22.74	23.21
8H	4H	20.80	21.67	21.26	22.12	22.58	20.91	21.78	21.36	22.22	22.69
	6H	21.46	22.19	21.95	22.67	23.15	21.59	22.32	22.08	22.80	23.28
	8H	21.66	22.32	22.17	22.82	23.31	21.83	22.48	22.33	22.99	23.47
	12H	21.80	22.37	22.30	22.86	23.42	22.00	22.58	22.51	23.07	23.63
12H	4H	20.83	21.62	21.31	22.09	22.56	20.93	21.72	21.41	22.20	22.67
	6H	21.50	22.16	22.01	22.66	23.15	21.63	22.28	22.14	22.79	23.27
	8H	21.76	22.34	22.26	22.83	23.39	21.92	22.50	22.42	22.99	23.55