

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: P1585690

Luminaire Tested: 14CZSP-SB-42-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585690
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-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

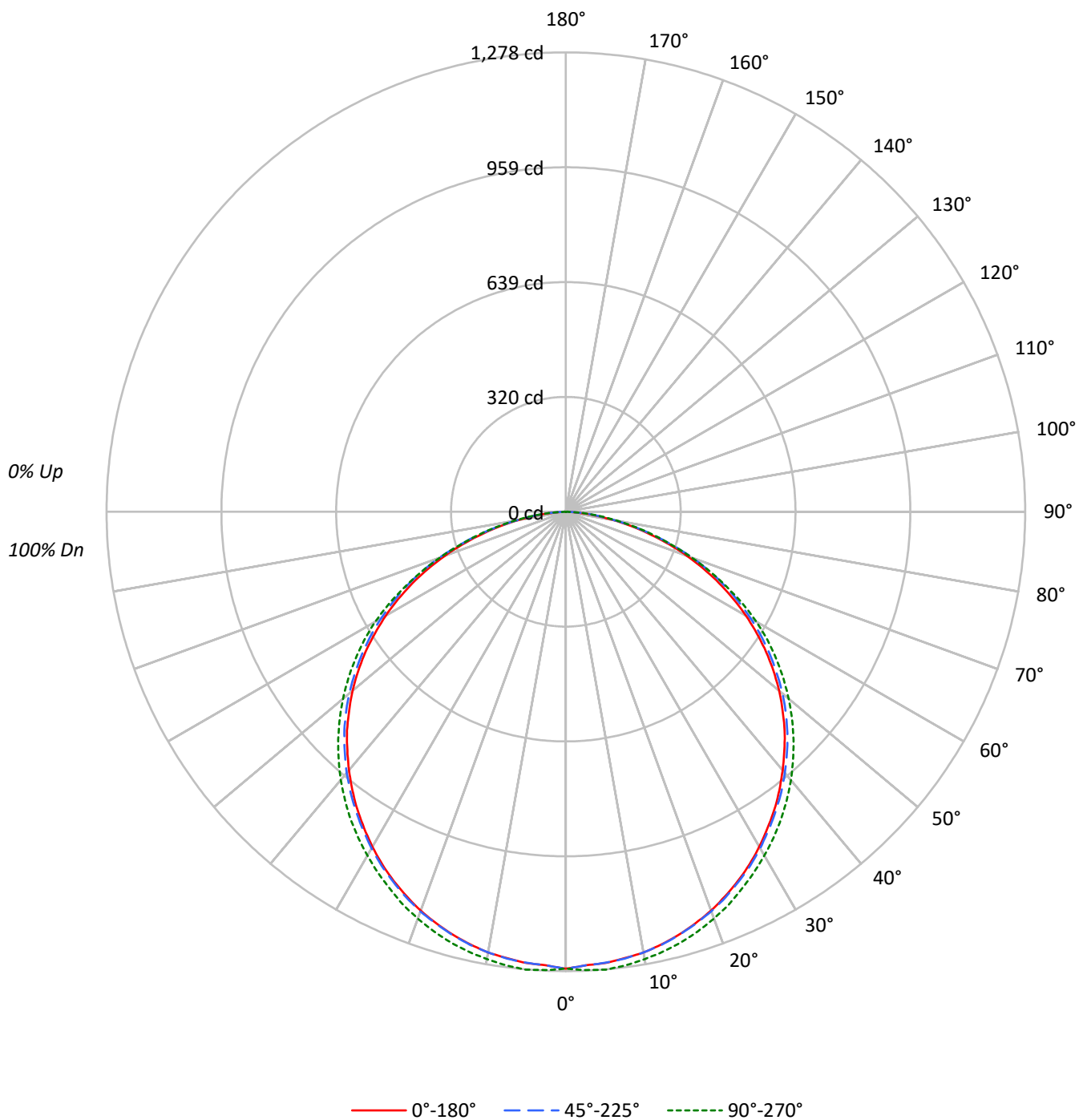
Lumens per Lamp: N/A
Luminaire Lumens: 3751.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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°	4283	4283	4283
5°	4263	4261	4324
10°	4261	4259	4323
15°	4248	4252	4326
20°	4235	4243	4319
25°	4213	4224	4305
30°	4188	4206	4297
35°	4161	4187	4295
40°	4128	4171	4287
45°	4103	4155	4270
50°	4062	4125	4242
55°	3998	4073	4201
60°	3902	4002	4126
65°	3755	3897	3939
70°	3531	3695	3673
75°	3170	3306	3328
80°	2620	2754	2897
85°	1755	2041	2153

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4270 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	3.2
10°-20°	346.3	9.2
20°-30°	527.3	14.1
30°-40°	641.8	17.1
40°-50°	676.5	18.0
50°-60°	623.1	16.6
60°-70°	481.3	12.8
70°-80°	269.3	7.2
80°-90°	64.9	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°	994.1	26.5
0°-40°	1635.8	43.6
0°-60°	2935.5	78.3
0°-90°	3751.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3751.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1260	1278	1260	1261	1278	120
15°	1218	1234	1219	1226	1240	344
25°	1133	1149	1136	1144	1158	522
35°	1012	1026	1018	1030	1044	633
45°	861	873	872	885	896	663
55°	681	692	693	708	715	607
65°	471	485	489	493	494	465
75°	244	258	254	253	256	258
85°	45	50	53	59	56	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.1	1271.1	1271.1	1271.1	1271.1
2.5°	1263.0	1281.4	1263.0	1265.9	1276.2
5°	1260.2	1278.0	1259.6	1261.3	1278.5
7.5°	1252.7	1271.1	1253.8	1256.1	1272.8
10°	1245.2	1261.9	1244.7	1247.5	1263.6
12.5°	1232.6	1249.8	1233.7	1237.2	1253.3
15°	1217.7	1234.3	1218.8	1225.7	1240.1
17.5°	1200.4	1216.5	1201.6	1209.6	1223.4
20°	1180.9	1196.4	1183.2	1188.9	1204.4
22.5°	1157.9	1174.0	1161.4	1166.5	1183.2
25°	1133.2	1149.3	1136.1	1143.6	1157.9
27.5°	1106.2	1121.7	1110.3	1119.4	1132.1
30°	1076.4	1091.3	1081.0	1091.9	1104.5
32.5°	1044.2	1060.3	1049.9	1062.6	1075.2
35°	1011.5	1026.4	1017.8	1030.4	1044.2
37.5°	975.9	990.2	983.9	997.1	1009.7
40°	938.5	954.6	948.3	962.1	974.7
42.5°	900.0	915.5	910.4	924.7	935.6
45°	861.0	873.0	871.9	885.1	896.0
47.5°	817.9	832.8	830.5	843.7	853.5
50°	774.8	786.9	786.9	799.5	809.3
52.5°	728.3	740.4	740.4	755.3	763.3
55°	680.6	692.1	693.3	707.6	715.1
57.5°	630.1	642.1	644.4	658.8	665.7
60°	579.0	590.5	593.9	608.3	612.3
62.5°	525.5	539.3	541.1	552.5	554.8
65°	471.0	484.8	488.8	493.4	494.0
67.5°	415.3	429.6	433.6	433.6	433.6
70°	358.4	371.6	375.1	372.8	372.8
72.5°	301.0	315.3	313.6	311.3	312.5
75°	243.5	258.5	253.9	253.3	255.6
77.5°	188.4	202.8	195.3	199.9	200.5
80°	135.0	145.9	141.9	148.8	149.3
82.5°	86.7	93.6	94.8	100.5	98.8
85°	45.4	50.0	52.8	59.2	55.7
87.5°	14.4	19.0	17.2	20.1	15.5
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	17.09	18.74	17.45	19.06	19.37	17.31	18.96	17.67	19.27	19.59
	3H	18.91	20.41	19.29	20.73	21.09	19.11	20.60	19.48	20.93	21.29
	4H	19.56	20.97	19.95	21.32	21.69	19.74	21.16	20.14	21.50	21.88
	6H	19.98	21.29	20.39	21.66	22.05	20.20	21.51	20.61	21.87	22.26
	8H	20.09	21.34	20.52	21.73	22.13	20.33	21.58	20.75	21.97	22.37
	12H	20.15	21.35	20.58	21.73	22.16	20.40	21.60	20.83	21.98	22.41
4H	2H	17.77	19.18	18.17	19.53	19.90	17.94	19.35	18.34	19.70	20.07
	3H	19.81	20.99	20.22	21.39	21.79	19.95	21.14	20.36	21.53	21.93
	4H	20.59	21.66	21.02	22.07	22.51	20.71	21.78	21.14	22.19	22.63
	6H	21.14	22.08	21.59	22.52	22.97	21.28	22.22	21.74	22.66	23.12
	8H	21.28	22.16	21.74	22.60	23.07	21.46	22.34	21.92	22.78	23.24
	12H	21.37	22.16	21.85	22.63	23.10	21.57	22.36	22.05	22.84	23.30
8H	4H	20.90	21.77	21.36	22.22	22.68	21.00	21.88	21.46	22.32	22.79
	6H	21.56	22.28	22.05	22.77	23.25	21.69	22.42	22.18	22.90	23.38
	8H	21.76	22.41	22.27	22.92	23.41	21.92	22.58	22.43	23.08	23.57
	12H	21.90	22.47	22.40	22.96	23.52	22.10	22.68	22.61	23.17	23.73
12H	4H	20.93	21.72	21.41	22.19	22.66	21.03	21.82	21.51	22.30	22.76
	6H	21.60	22.26	22.11	22.76	23.25	21.73	22.38	22.24	22.89	23.37
	8H	21.86	22.43	22.36	22.92	23.48	22.02	22.60	22.52	23.09	23.65