

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: P1587685

Luminaire Tested: 22CZSP-SB-42-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-7)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-42-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

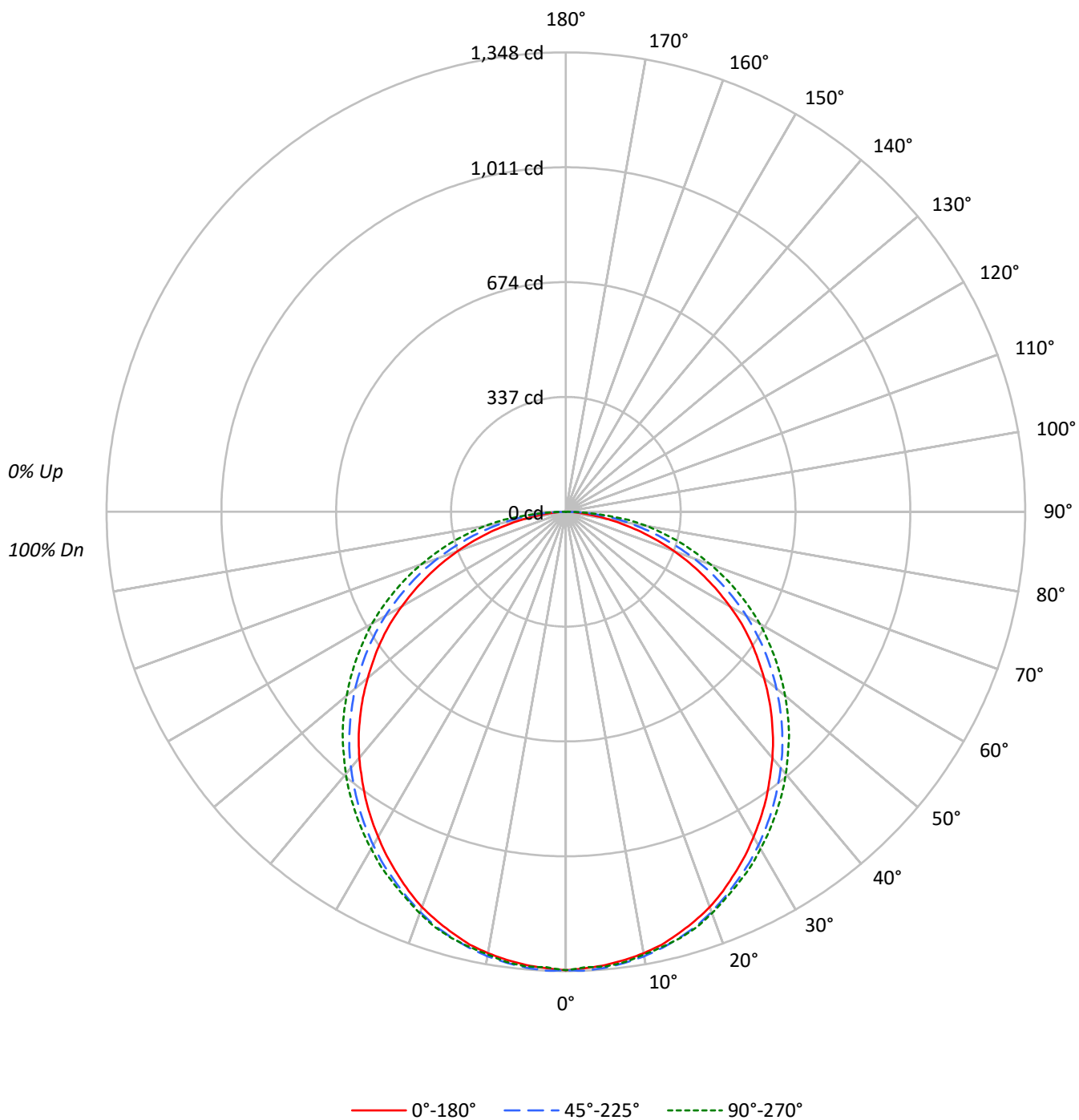
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3926.0 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' 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

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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	108	103	99	95	106	101	97	93	97	93	90		93	90	88		89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74		81	76	72		78	74	71	68
3	89	79	70	63	87	77	69	63	74	67	62		71	65	61		69	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52		63	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45		57	50	45		55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40		51	44	39		50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35		47	40	35		45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		37	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4213	4213	4213
5°	4197	4221	4210
10°	4182	4211	4196
15°	4151	4194	4199
20°	4115	4164	4178
25°	4048	4120	4148
30°	3984	4086	4131
35°	3920	4047	4117
40°	3855	4011	4106
45°	3783	3974	4103
50°	3700	3930	4093
55°	3616	3888	4092
60°	3481	3830	4116
65°	3319	3756	4119
70°	3096	3651	4131
75°	2755	3518	4202
80°	2263	3372	4360
85°	1491	3165	3941

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4465 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	3.2
10°-20°	364.3	9.3
20°-30°	549.0	14.0
30°-40°	661.2	16.8
40°-50°	690.7	17.6
50°-60°	634.6	16.2
60°-70°	499.7	12.7
70°-80°	306.4	7.8
80°-90°	92.9	2.4
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°	1040.5	26.5
0°-40°	1701.7	43.3
0°-60°	3027.0	77.1
0°-90°	3926.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3926.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1335	1338	1343	1341	1340	127
15°	1280	1286	1294	1299	1295	361
25°	1172	1179	1192	1205	1201	540
35°	1025	1039	1059	1078	1077	641
45°	854	872	897	922	926	659
55°	662	681	712	743	750	591
65°	448	471	507	541	556	443
75°	228	254	291	326	347	242
85°	42	62	88	98	110	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1345.3	1345.3	1345.3	1345.3	1345.3
2.5°	1340.3	1343.6	1347.8	1341.1	1337.8
5°	1335.3	1337.8	1342.8	1341.1	1339.5
7.5°	1326.2	1327.8	1334.5	1334.5	1332.8
10°	1315.4	1318.7	1324.5	1323.7	1319.5
12.5°	1301.2	1303.7	1310.4	1310.4	1307.9
15°	1280.5	1285.5	1293.8	1298.8	1295.4
17.5°	1258.9	1263.9	1274.7	1279.6	1278.0
20°	1234.8	1238.9	1249.7	1257.2	1253.9
22.5°	1204.9	1209.8	1222.3	1230.6	1227.3
25°	1171.6	1179.1	1192.4	1204.9	1200.7
27.5°	1138.4	1146.7	1163.3	1175.8	1174.1
30°	1101.8	1112.6	1130.1	1145.9	1142.5
32.5°	1064.4	1076.9	1095.2	1111.8	1111.0
35°	1025.4	1038.7	1058.6	1077.7	1076.9
37.5°	983.8	999.6	1020.4	1041.2	1042.0
40°	943.1	958.1	981.3	1003.8	1004.6
42.5°	899.9	915.7	940.6	963.9	964.7
45°	854.2	872.5	897.4	922.3	926.5
47.5°	807.7	826.8	852.5	879.1	884.1
50°	759.5	779.4	806.8	835.1	840.1
52.5°	710.4	731.2	759.5	787.7	795.2
55°	662.3	681.4	712.1	742.9	749.5
57.5°	611.6	629.0	662.3	694.7	703.0
60°	555.9	577.5	611.6	644.0	657.3
62.5°	501.9	525.2	560.0	592.5	607.4
65°	447.9	471.1	506.9	540.9	555.9
67.5°	393.0	417.1	455.4	487.8	504.4
70°	338.2	362.3	398.8	433.7	451.2
72.5°	283.3	309.1	344.8	380.6	398.0
75°	227.7	254.3	290.8	325.7	347.3
77.5°	175.3	201.1	237.6	273.4	291.7
80°	125.5	151.2	187.0	222.7	241.8
82.5°	79.8	103.9	138.8	168.7	186.1
85°	41.5	61.5	88.1	98.1	109.7
87.5°	12.5	24.1	34.1	38.2	47.4
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	16.51	18.17	16.87	18.49	18.80	17.26	18.92	17.62	19.23	19.55
	3H	18.27	19.78	18.65	20.11	20.47	19.35	20.86	19.73	21.19	21.55
	4H	18.90	20.32	19.29	20.67	21.04	20.24	21.66	20.63	22.01	22.38
	6H	19.31	20.63	19.72	20.99	21.38	21.00	22.32	21.41	22.69	23.08
	8H	19.42	20.68	19.84	21.07	21.46	21.31	22.58	21.74	22.97	23.36
	12H	19.47	20.68	19.90	21.06	21.49	21.53	22.74	21.96	23.12	23.55
4H	2H	17.28	18.70	17.68	19.05	19.42	17.86	19.28	18.26	19.63	20.00
	3H	19.27	20.47	19.68	20.87	21.27	20.19	21.39	20.60	21.78	22.18
	4H	20.03	21.11	20.46	21.53	21.96	21.22	22.31	21.65	22.72	23.16
	6H	20.56	21.52	21.02	21.96	22.41	22.15	23.11	22.61	23.55	24.00
	8H	20.71	21.60	21.17	22.04	22.51	22.54	23.43	23.00	23.87	24.33
	12H	20.80	21.60	21.28	22.07	22.54	22.81	23.62	23.29	24.09	24.56
8H	4H	20.48	21.37	20.94	21.81	22.28	21.52	22.41	21.98	22.86	23.32
	6H	21.16	21.90	21.65	22.39	22.86	22.61	23.35	23.10	23.84	24.31
	8H	21.38	22.05	21.88	22.55	23.04	23.09	23.76	23.60	24.27	24.75
	12H	21.53	22.12	22.03	22.61	23.17	23.47	24.06	23.97	24.55	25.11
12H	4H	20.56	21.37	21.04	21.84	22.31	21.55	22.35	22.03	22.83	23.30
	6H	21.28	21.95	21.79	22.46	22.94	22.66	23.33	23.17	23.83	24.32
	8H	21.58	22.17	22.08	22.66	23.22	23.21	23.81	23.72	24.29	24.85