

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: P1586650

Luminaire Tested: 22CZSP-A-42-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-42-L950-S
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 4000 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

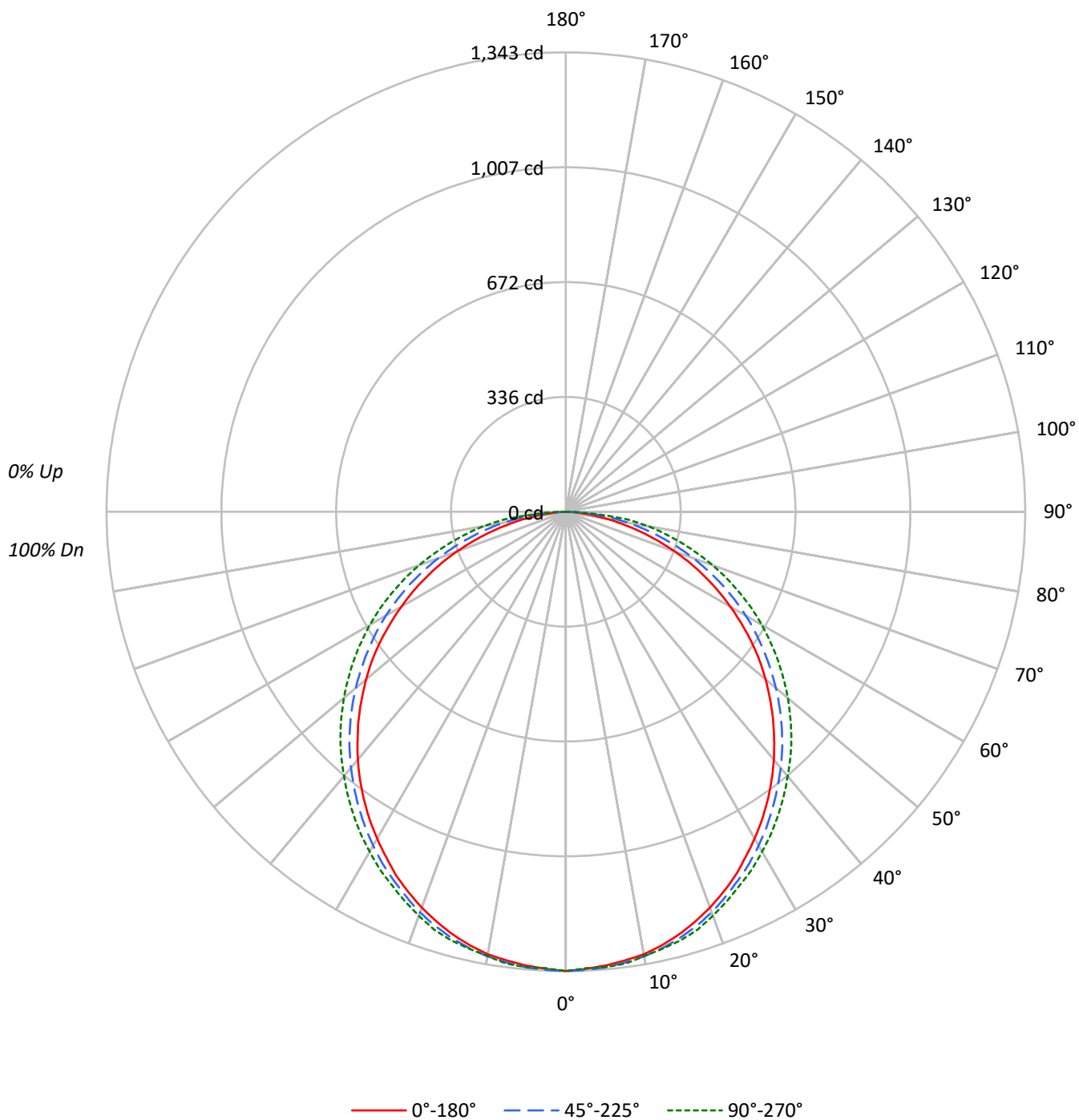
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3920.0 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
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

TEST NUMBER: P1586650
CATALOG NUMBER: 22CZSP-A-42-L950-S

Luminous Intensity Polar Plot



TEST NUMBER: P1586650

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4204	4204	4204
5°	4185	4202	4199
10°	4176	4196	4193
15°	4147	4180	4205
20°	4104	4153	4188
25°	4054	4110	4161
30°	3990	4074	4149
35°	3932	4034	4136
40°	3868	3994	4124
45°	3794	3954	4129
50°	3713	3905	4128
55°	3616	3850	4132
60°	3480	3808	4143
65°	3320	3735	4155
70°	3095	3630	4174
75°	2757	3487	4215
80°	2279	3320	4420
85°	1484	2996	3862

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4561 cd/sqm

TEST NUMBER: P1586650

CATALOG NUMBER: 22CZSP-A-42-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.0	3.2
10°-20°	363.6	9.3
20°-30°	548.4	14.0
30°-40°	660.5	16.8
40°-50°	689.8	17.6
50°-60°	633.5	16.2
60°-70°	499.0	12.7
70°-80°	306.1	7.8
80°-90°	92.1	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°	1039.0	26.5
0°-40°	1699.5	43.4
0°-60°	3022.8	77.1
0°-90°	3920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1343	1343	1343	1343	1343	
5°	1332	1333	1337	1341	1336	127
15°	1279	1282	1289	1297	1297	361
25°	1173	1176	1190	1204	1204	540
35°	1029	1034	1055	1077	1082	643
45°	857	866	893	924	932	661
55°	662	674	705	745	757	591
65°	448	464	504	546	561	443
75°	228	246	288	334	348	242
85°	41	57	83	106	108	54
90°	0	0	0	0	0	

TEST NUMBER: P1586650

CATALOG NUMBER: 22CZSP-A-42-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1342.7	1342.7	1342.7	1342.7	1342.7
2.5°	1337.5	1340.1	1341.0	1341.8	1335.8
5°	1331.5	1333.2	1336.7	1341.0	1335.8
7.5°	1322.9	1324.6	1328.9	1335.0	1332.4
10°	1313.5	1314.3	1319.5	1323.8	1318.6
12.5°	1298.0	1300.6	1306.6	1310.0	1308.3
15°	1279.1	1281.6	1289.4	1297.1	1297.1
17.5°	1256.7	1260.1	1269.6	1279.9	1280.8
20°	1231.7	1234.3	1246.4	1256.7	1256.7
22.5°	1203.4	1206.8	1218.8	1230.0	1231.7
25°	1173.3	1175.8	1189.6	1204.2	1204.2
27.5°	1138.0	1143.1	1160.4	1175.0	1178.4
30°	1103.6	1107.9	1126.8	1144.9	1147.4
32.5°	1067.5	1072.6	1092.4	1112.2	1116.5
35°	1028.7	1033.9	1055.4	1076.9	1082.1
37.5°	988.3	994.3	1016.7	1041.6	1046.8
40°	946.2	953.1	977.1	1003.8	1009.0
42.5°	901.4	910.9	936.7	964.2	972.0
45°	856.7	866.2	892.8	923.8	932.4
47.5°	809.4	820.6	848.1	880.8	890.3
50°	762.1	773.3	801.7	836.9	847.3
52.5°	713.9	725.1	754.4	791.3	802.5
55°	662.3	674.4	705.3	744.9	756.9
57.5°	609.0	624.5	657.2	697.6	709.6
60°	555.7	571.1	608.1	647.7	661.5
62.5°	503.2	517.8	555.7	597.8	612.4
65°	448.1	463.6	504.1	546.2	560.8
67.5°	394.0	409.4	449.9	493.7	509.2
70°	338.0	355.2	396.5	440.4	455.9
72.5°	282.1	300.2	342.3	387.1	401.7
75°	227.9	246.0	288.2	333.7	348.4
77.5°	174.6	194.4	235.7	282.1	295.9
80°	126.4	145.4	184.1	229.7	245.1
82.5°	80.9	97.2	135.9	178.9	190.1
85°	41.3	56.8	83.4	105.8	107.5
87.5°	12.9	18.1	27.5	41.3	42.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1586650

CATALOG NUMBER: 22CZSP-A-42-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	16.47	18.13	16.83	18.44	18.76	17.30	18.96	17.66	19.27	19.59
	3H	18.22	19.73	18.60	20.06	20.42	19.41	20.92	19.79	21.25	21.61
	4H	18.84	20.26	19.24	20.61	20.99	20.30	21.73	20.70	22.07	22.45
	6H	19.25	20.57	19.66	20.94	21.33	21.08	22.41	21.49	22.77	23.16
	8H	19.36	20.62	19.78	21.01	21.41	21.40	22.67	21.83	23.06	23.45
	12H	19.41	20.62	19.84	21.00	21.43	21.62	22.83	22.04	23.21	23.64
4H	2H	17.24	18.66	17.64	19.01	19.38	17.89	19.31	18.28	19.66	20.03
	3H	19.22	20.41	19.63	20.81	21.21	20.24	21.44	20.65	21.84	22.23
	4H	19.95	21.04	20.38	21.45	21.89	21.29	22.38	21.72	22.79	23.23
	6H	20.48	21.43	20.93	21.87	22.33	22.25	23.20	22.70	23.64	24.09
	8H	20.63	21.52	21.09	21.96	22.43	22.64	23.53	23.10	23.98	24.44
	12H	20.71	21.52	21.19	21.99	22.46	22.92	23.72	23.40	24.20	24.67
8H	4H	20.41	21.30	20.87	21.75	22.21	21.58	22.47	22.04	22.92	23.38
	6H	21.07	21.82	21.57	22.30	22.78	22.69	23.44	23.19	23.92	24.40
	8H	21.28	21.95	21.79	22.46	22.94	23.21	23.87	23.71	24.38	24.86
	12H	21.42	22.02	21.93	22.51	23.06	23.59	24.18	24.10	24.67	25.23
12H	4H	20.50	21.31	20.98	21.78	22.25	21.61	22.41	22.09	22.88	23.35
	6H	21.21	21.88	21.71	22.38	22.86	22.74	23.41	23.25	23.92	24.40
	8H	21.48	22.08	21.99	22.57	23.12	23.32	23.91	23.82	24.40	24.96

END OF REPORT