

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: P1586645

Luminaire Tested: 22CZSP-A-42-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2605-772-10)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-A-42-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

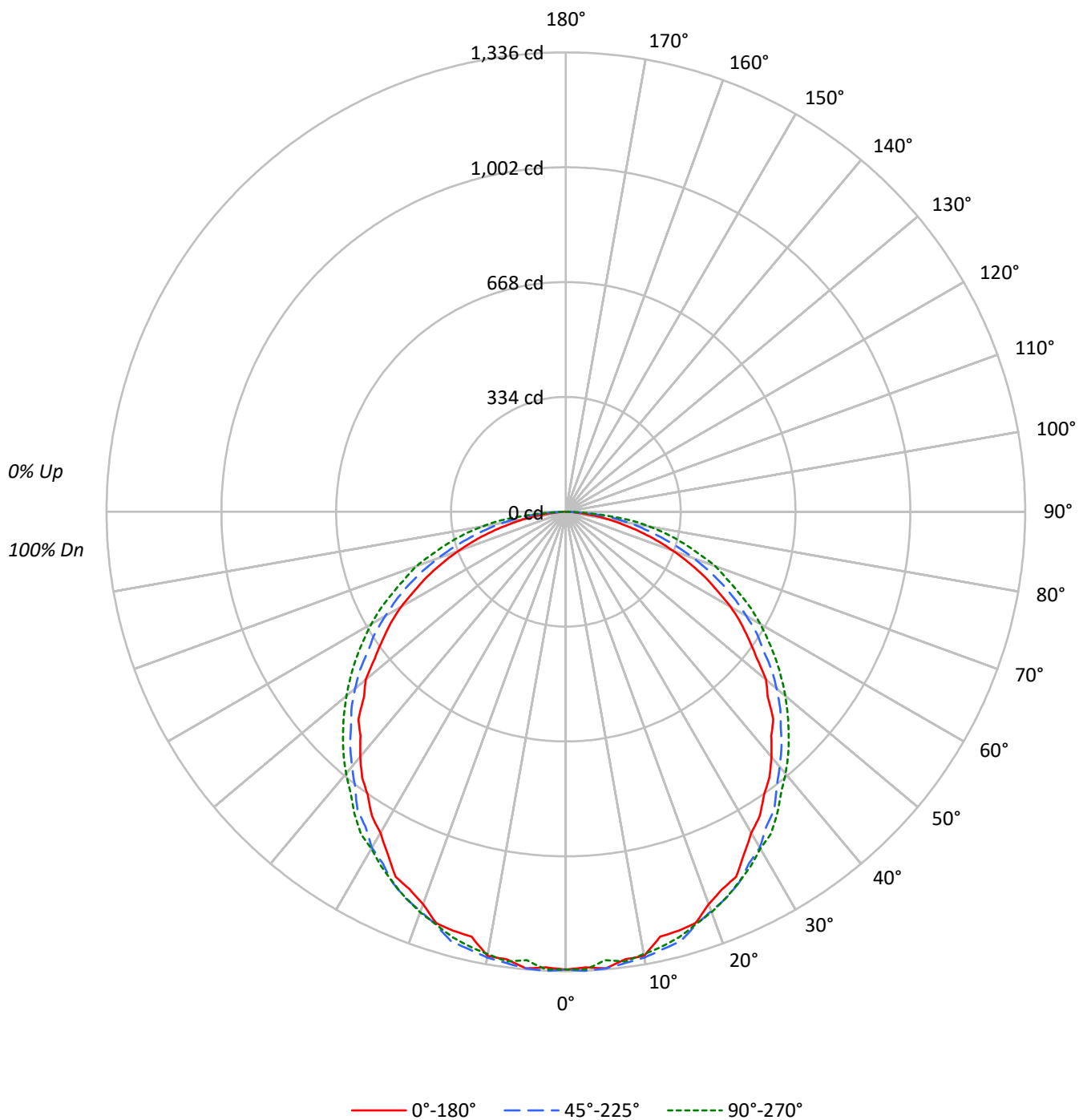
Lumens per Lamp: N/A
Luminaire Lumens: 3887.0 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

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

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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	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	63	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	31	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°	4169	4169	4169
5°	4190	4190	4114
10°	4170	4186	4154
15°	4090	4189	4149
20°	4047	4119	4130
25°	4047	4116	4110
30°	3900	4079	4091
35°	3841	4040	4097
40°	3802	3954	4063
45°	3777	3913	4060
50°	3703	3897	4058
55°	3552	3824	4068
60°	3468	3795	4091
65°	3292	3740	4103
70°	3036	3620	4243
75°	2698	3460	4283
80°	2241	3394	4440
85°	1369	3040	3751

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4594 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.2	3.2
10°-20°	360.7	9.3
20°-30°	544.1	14.0
30°-40°	653.5	16.8
40°-50°	682.2	17.6
50°-60°	628.1	16.2
60°-70°	496.0	12.8
70°-80°	305.5	7.9
80°-90°	90.6	2.3
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°	1031.1	26.5
0°-40°	1684.6	43.3
0°-60°	2994.9	77.1
0°-90°	3887.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3887.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1331	1331	1331	1331	1331	
5°	1333	1320	1333	1335	1309	126
15°	1262	1279	1292	1286	1280	357
25°	1171	1180	1191	1186	1190	534
35°	1005	1023	1057	1062	1072	631
45°	853	860	884	903	917	652
55°	651	668	700	732	745	584
65°	444	460	505	541	554	438
75°	223	244	286	332	354	237
85°	38	55	85	100	104	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.3	1331.3	1331.3	1331.3	1331.3
2.5°	1326.3	1340.4	1336.3	1338.8	1332.1
5°	1333.0	1319.7	1333.0	1334.6	1308.9
7.5°	1313.1	1314.7	1323.8	1326.3	1318.9
10°	1311.4	1316.4	1316.4	1308.1	1306.4
12.5°	1265.8	1290.7	1303.1	1308.9	1294.8
15°	1261.7	1279.1	1292.3	1286.5	1279.9
17.5°	1254.2	1249.2	1258.3	1265.0	1257.5
20°	1214.4	1222.7	1236.0	1237.6	1239.3
22.5°	1187.9	1190.4	1216.9	1219.4	1216.1
25°	1171.3	1179.6	1191.2	1186.2	1189.5
27.5°	1122.4	1142.3	1153.1	1163.0	1163.0
30°	1078.5	1101.7	1128.2	1131.5	1131.5
32.5°	1049.5	1065.2	1085.1	1091.7	1110.0
35°	1004.7	1022.9	1056.9	1061.9	1071.8
37.5°	973.2	991.4	1007.2	1024.6	1028.7
40°	930.1	949.1	967.4	987.3	993.9
42.5°	884.5	904.4	928.4	949.1	957.4
45°	853.0	859.6	883.7	902.7	916.8
47.5°	795.8	814.9	845.5	869.6	875.4
50°	760.1	767.6	799.9	832.3	833.1
52.5°	700.5	722.8	754.3	785.0	789.2
55°	650.7	668.1	700.5	732.0	745.2
57.5°	604.3	617.6	659.0	690.5	698.0
60°	553.7	567.8	606.0	642.4	653.2
62.5°	494.9	514.8	556.2	591.0	606.0
65°	444.3	460.1	504.8	541.3	553.7
67.5°	387.1	408.7	450.9	491.6	504.8
70°	331.6	353.1	395.4	437.7	463.4
72.5°	276.9	299.3	341.5	390.4	404.5
75°	223.0	244.5	286.0	331.6	354.0
77.5°	169.9	193.1	235.4	281.0	302.6
80°	124.3	142.6	188.2	228.0	246.2
82.5°	77.1	96.2	138.4	175.7	191.5
85°	38.1	54.7	84.6	100.3	104.4
87.5°	11.6	17.4	26.5	34.8	39.8
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	16.43	18.09	16.79	18.40	18.72	17.25	18.91	17.61	19.23	19.54
	3H	18.18	19.69	18.56	20.01	20.37	19.40	20.90	19.77	21.23	21.59
	4H	18.79	20.22	19.19	20.56	20.94	20.31	21.73	20.71	22.08	22.46
	6H	19.20	20.52	19.61	20.88	21.27	21.11	22.43	21.52	22.80	23.19
	8H	19.30	20.56	19.72	20.95	21.35	21.43	22.70	21.86	23.09	23.48
	12H	19.34	20.56	19.77	20.94	21.37	21.64	22.85	22.07	23.23	23.66
4H	2H	17.22	18.64	17.62	18.99	19.36	17.85	19.28	18.25	19.62	20.00
	3H	19.19	20.39	19.60	20.79	21.19	20.23	21.43	20.64	21.83	22.23
	4H	19.92	21.01	20.35	21.42	21.86	21.30	22.39	21.73	22.80	23.24
	6H	20.44	21.40	20.90	21.83	22.29	22.27	23.22	22.72	23.66	24.11
	8H	20.58	21.48	21.04	21.92	22.38	22.67	23.56	23.12	24.00	24.46
	12H	20.66	21.46	21.14	21.94	22.41	22.93	23.74	23.41	24.21	24.68
8H	4H	20.39	21.28	20.85	21.72	22.19	21.59	22.48	22.05	22.92	23.39
	6H	21.04	21.79	21.54	22.27	22.75	22.72	23.46	23.21	23.95	24.42
	8H	21.25	21.92	21.76	22.42	22.91	23.22	23.89	23.73	24.40	24.88
	12H	21.38	21.97	21.88	22.46	23.02	23.59	24.18	24.10	24.67	25.23
12H	4H	20.48	21.28	20.96	21.76	22.23	21.62	22.42	22.09	22.89	23.36
	6H	21.18	21.85	21.69	22.36	22.84	22.77	23.44	23.27	23.94	24.42
	8H	21.46	22.05	21.96	22.54	23.10	23.34	23.93	23.84	24.42	24.98