

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: P1586604

Luminaire Tested: 22CZSP-A-35-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1586604
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-35-L935-S
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

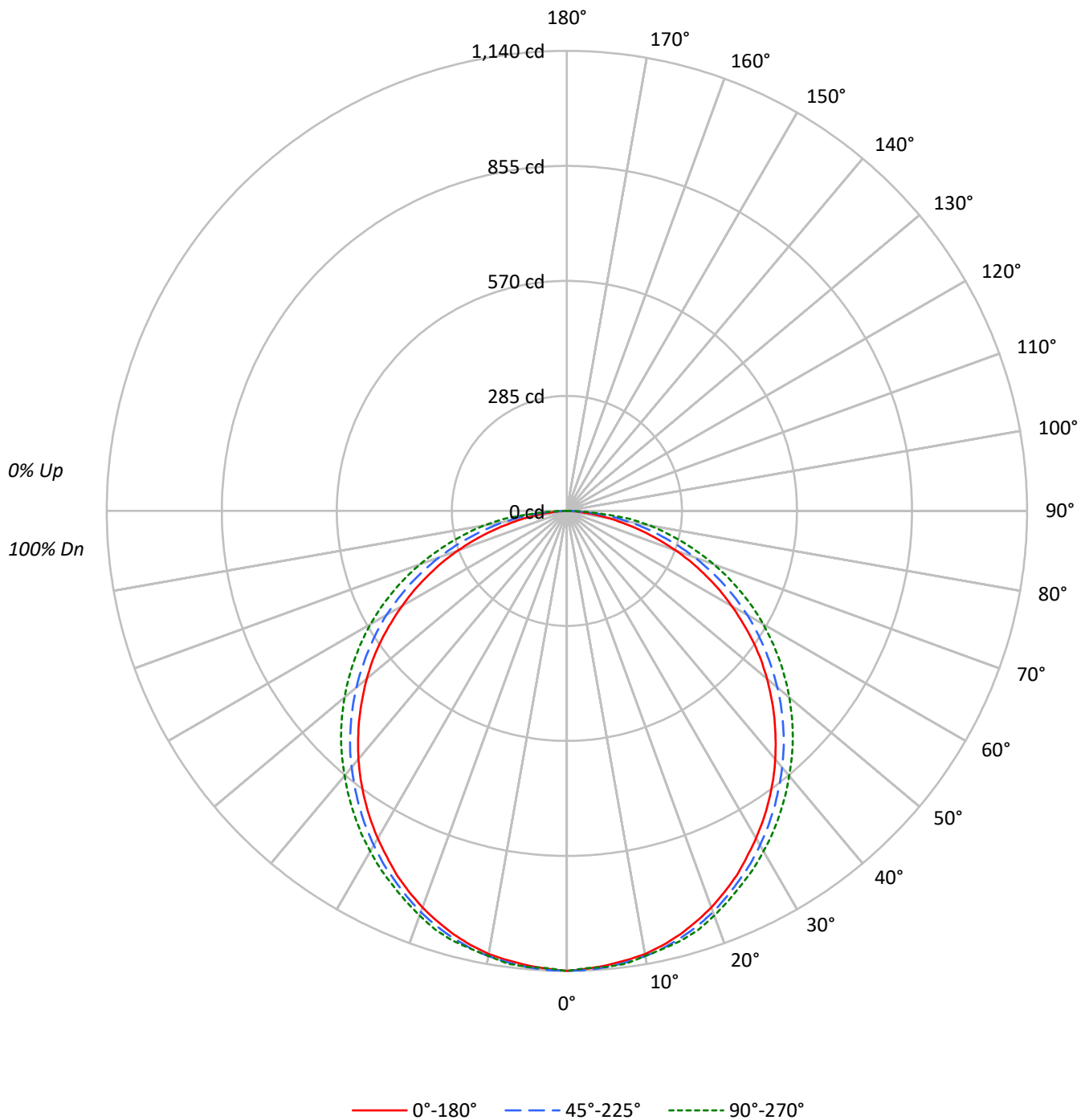
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3328.0 lumens
Efficiency: N/A
Efficacy: 134.7 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): 24.7
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: P1586604
CATALOG NUMBER: 22CZSP-A-35-L935-S

Luminous Intensity Polar Plot



TEST NUMBER: P1586604

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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	69
3	89	79	70	64	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°	3569	3569	3569
5°	3553	3567	3565
10°	3546	3562	3560
15°	3520	3549	3570
20°	3485	3526	3555
25°	3442	3489	3532
30°	3388	3459	3522
35°	3339	3425	3512
40°	3284	3391	3501
45°	3221	3357	3505
50°	3152	3316	3504
55°	3070	3269	3508
60°	2954	3233	3517
65°	2819	3170	3528
70°	2628	3082	3543
75°	2341	2959	3579
80°	1935	2818	3753
85°	1261	2544	3280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3872 cd/sqm

TEST NUMBER: P1586604

CATALOG NUMBER: 22CZSP-A-35-L935-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.8	3.2
10°-20°	308.7	9.3
20°-30°	465.6	14.0
30°-40°	560.8	16.8
40°-50°	585.6	17.6
50°-60°	537.8	16.2
60°-70°	423.6	12.7
70°-80°	259.9	7.8
80°-90°	78.2	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°	882.1	26.5
0°-40°	1442.8	43.4
0°-60°	2566.3	77.1
0°-90°	3328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1140	1140	1140	1140	1140	
5°	1130	1132	1135	1138	1134	107
15°	1086	1088	1095	1101	1101	306
25°	996	998	1010	1022	1022	458
35°	873	878	896	914	919	546
45°	727	735	758	784	792	561
55°	562	572	599	632	643	502
65°	380	394	428	464	476	376
75°	194	209	245	283	296	205
85°	35	48	71	90	91	46
90°	0	0	0	0	0	

TEST NUMBER: P1586604

CATALOG NUMBER: 22CZSP-A-35-L935-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1139.9	1139.9	1139.9	1139.9	1139.9
2.5°	1135.5	1137.7	1138.5	1139.2	1134.1
5°	1130.4	1131.9	1134.8	1138.5	1134.1
7.5°	1123.1	1124.6	1128.2	1133.4	1131.2
10°	1115.1	1115.8	1120.2	1123.9	1119.5
12.5°	1102.0	1104.1	1109.3	1112.2	1110.7
15°	1085.9	1088.1	1094.7	1101.2	1101.2
17.5°	1066.9	1069.8	1077.9	1086.6	1087.4
20°	1045.7	1047.9	1058.1	1066.9	1066.9
22.5°	1021.6	1024.5	1034.8	1044.3	1045.7
25°	996.1	998.3	1009.9	1022.4	1022.4
27.5°	966.1	970.5	985.1	997.5	1000.5
30°	936.9	940.6	956.6	972.0	974.2
32.5°	906.2	910.6	927.4	944.2	947.9
35°	873.4	877.8	896.0	914.3	918.7
37.5°	839.1	844.2	863.2	884.3	888.7
40°	803.3	809.1	829.6	852.2	856.6
42.5°	765.3	773.3	795.2	818.6	825.2
45°	727.3	735.4	758.0	784.3	791.6
47.5°	687.2	696.7	720.0	747.8	755.8
50°	647.0	656.5	680.6	710.5	719.3
52.5°	606.1	615.6	640.4	671.8	681.3
55°	562.3	572.5	598.8	632.4	642.6
57.5°	517.0	530.2	557.9	592.2	602.5
60°	471.7	484.9	516.3	549.9	561.6
62.5°	427.2	439.6	471.7	507.5	519.9
65°	380.5	393.6	427.9	463.7	476.1
67.5°	334.5	347.6	381.9	419.2	432.3
70°	287.0	301.6	336.6	373.9	387.0
72.5°	239.5	254.9	290.6	328.6	341.0
75°	193.5	208.9	244.6	283.3	295.8
77.5°	148.2	165.0	200.1	239.5	251.2
80°	107.3	123.4	156.3	195.0	208.1
82.5°	68.6	82.5	115.4	151.9	161.4
85°	35.1	48.2	70.8	89.8	91.3
87.5°	11.0	15.3	23.4	35.1	35.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1586604

CATALOG NUMBER: 22CZSP-A-35-L935-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	15.90	17.56	16.26	17.88	18.19	16.73	18.39	17.09	18.71	19.02
	3H	17.65	19.16	18.03	19.49	19.85	18.85	20.35	19.22	20.68	21.04
	4H	18.27	19.70	18.67	20.04	20.42	19.73	21.16	20.13	21.50	21.88
	6H	18.68	20.00	19.09	20.37	20.76	20.52	21.84	20.93	22.20	22.59
	8H	18.79	20.05	19.22	20.44	20.84	20.84	22.10	21.26	22.49	22.88
	12H	18.84	20.05	19.27	20.44	20.86	21.05	22.26	21.48	22.64	23.07
4H	2H	16.67	18.09	17.07	18.44	18.82	17.32	18.74	17.71	19.09	19.46
	3H	18.65	19.85	19.06	20.24	20.64	19.67	20.87	20.08	21.27	21.67
	4H	19.38	20.47	19.82	20.88	21.32	20.72	21.81	21.15	22.22	22.66
	6H	19.91	20.87	20.37	21.31	21.76	21.68	22.63	22.13	23.07	23.52
	8H	20.06	20.95	20.52	21.39	21.86	22.07	22.97	22.53	23.41	23.87
	12H	20.14	20.95	20.62	21.42	21.89	22.35	23.15	22.83	23.63	24.10
8H	4H	19.84	20.74	20.30	21.18	21.64	21.01	21.91	21.47	22.35	22.81
	6H	20.50	21.25	21.00	21.74	22.21	22.12	22.87	22.62	23.36	23.83
	8H	20.72	21.38	21.22	21.89	22.37	22.64	23.31	23.14	23.81	24.29
	12H	20.85	21.45	21.36	21.94	22.49	23.02	23.61	23.53	24.10	24.66
12H	4H	19.93	20.74	20.41	21.21	21.68	21.04	21.84	21.52	22.32	22.78
	6H	20.64	21.31	21.14	21.81	22.30	22.17	22.84	22.68	23.35	23.83
	8H	20.91	21.51	21.42	22.00	22.55	22.75	23.34	23.26	23.83	24.39