

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: P1587645

Luminaire Tested: 22CZSP-SB-35-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587645
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-35-L935
Description: 2x2 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

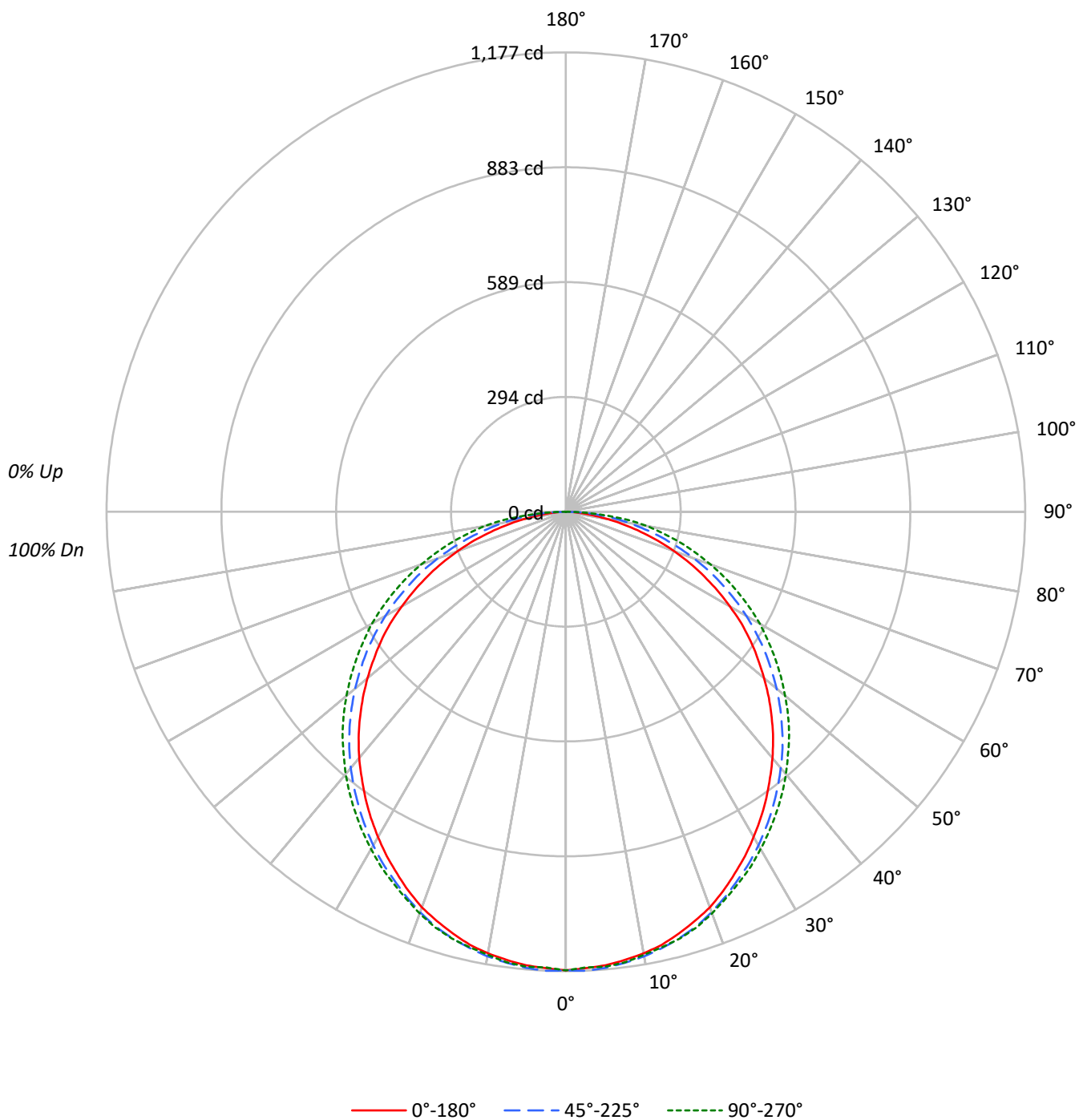
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3429.0 lumens
Efficiency: N/A
Efficacy: 138.8 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): 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

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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°	3679	3679	3679
5°	3666	3686	3677
10°	3653	3678	3665
15°	3626	3663	3668
20°	3594	3637	3649
25°	3536	3598	3623
30°	3479	3569	3608
35°	3424	3534	3596
40°	3367	3504	3587
45°	3304	3471	3583
50°	3231	3433	3574
55°	3158	3396	3574
60°	3041	3345	3595
65°	2899	3280	3597
70°	2705	3190	3608
75°	2406	3073	3671
80°	1976	2945	3808
85°	1304	2763	3442

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	3.2
10°-20°	318.1	9.3
20°-30°	479.5	14.0
30°-40°	577.5	16.8
40°-50°	603.3	17.6
50°-60°	554.2	16.2
60°-70°	436.5	12.7
70°-80°	267.6	7.8
80°-90°	81.1	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°	908.8	26.5
0°-40°	1486.3	43.3
0°-60°	2643.8	77.1
0°-90°	3429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1166	1168	1173	1171	1170	111
15°	1118	1123	1130	1134	1131	316
25°	1023	1030	1041	1052	1049	472
35°	896	907	925	941	941	560
45°	746	762	784	806	809	575
55°	578	595	622	649	655	516
65°	391	412	443	472	486	387
75°	199	222	254	284	303	211
85°	36	54	77	86	96	47
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1175.0	1175.0	1175.0	1175.0	1175.0
2.5°	1170.6	1173.5	1177.2	1171.4	1168.4
5°	1166.3	1168.4	1172.8	1171.4	1169.9
7.5°	1158.3	1159.7	1165.5	1165.5	1164.1
10°	1148.9	1151.8	1156.8	1156.1	1152.5
12.5°	1136.5	1138.7	1144.5	1144.5	1142.3
15°	1118.4	1122.7	1130.0	1134.3	1131.4
17.5°	1099.5	1103.9	1113.3	1117.6	1116.2
20°	1078.5	1082.1	1091.5	1098.1	1095.1
22.5°	1052.3	1056.7	1067.6	1074.8	1071.9
25°	1023.3	1029.8	1041.4	1052.3	1048.7
27.5°	994.3	1001.5	1016.0	1026.9	1025.5
30°	962.3	971.8	987.0	1000.8	997.9
32.5°	929.7	940.6	956.5	971.0	970.3
35°	895.6	907.2	924.6	941.3	940.6
37.5°	859.3	873.1	891.2	909.4	910.1
40°	823.7	836.8	857.1	876.7	877.4
42.5°	786.0	799.8	821.5	841.9	842.6
45°	746.1	762.0	783.8	805.6	809.2
47.5°	705.4	722.1	744.6	767.8	772.2
50°	663.3	680.7	704.7	729.4	733.7
52.5°	620.5	638.7	663.3	688.0	694.5
55°	578.4	595.1	622.0	648.8	654.6
57.5°	534.1	549.4	578.4	606.7	614.0
60°	485.5	504.4	534.1	562.5	574.1
62.5°	438.3	458.7	489.2	517.5	530.5
65°	391.2	411.5	442.7	472.5	485.5
67.5°	343.3	364.3	397.7	426.0	440.5
70°	295.4	316.4	348.4	378.8	394.1
72.5°	247.5	270.0	301.2	332.4	347.6
75°	198.9	222.1	254.0	284.5	303.4
77.5°	153.1	175.6	207.6	238.8	254.7
80°	109.6	132.1	163.3	194.5	211.2
82.5°	69.7	90.7	121.2	147.3	162.6
85°	36.3	53.7	76.9	85.6	95.8
87.5°	10.9	21.0	29.8	33.4	41.4
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	16.04	17.70	16.40	18.02	18.33	16.79	18.45	17.15	18.76	19.08
	3H	17.80	19.31	18.18	19.64	20.00	18.88	20.39	19.26	20.71	21.07
	4H	18.43	19.85	18.82	20.20	20.57	19.77	21.19	20.16	21.54	21.91
	6H	18.84	20.16	19.25	20.52	20.91	20.53	21.85	20.94	22.22	22.61
	8H	18.95	20.21	19.37	20.60	20.99	20.84	22.11	21.27	22.50	22.89
	12H	19.00	20.21	19.43	20.59	21.02	21.06	22.27	21.49	22.65	23.08
4H	2H	16.81	18.23	17.21	18.58	18.95	17.39	18.81	17.79	19.16	19.53
	3H	18.80	20.00	19.21	20.40	20.80	19.72	20.92	20.13	21.31	21.71
	4H	19.56	20.64	19.99	21.06	21.49	20.75	21.84	21.18	22.25	22.69
	6H	20.09	21.05	20.55	21.49	21.94	21.68	22.64	22.14	23.08	23.53
	8H	20.24	21.13	20.70	21.57	22.04	22.07	22.96	22.53	23.40	23.86
	12H	20.33	21.13	20.81	21.60	22.07	22.34	23.15	22.82	23.62	24.09
8H	4H	20.01	20.90	20.47	21.34	21.81	21.05	21.94	21.51	22.39	22.85
	6H	20.69	21.43	21.18	21.92	22.39	22.14	22.88	22.63	23.37	23.84
	8H	20.91	21.58	21.41	22.08	22.57	22.62	23.29	23.13	23.80	24.28
	12H	21.05	21.65	21.56	22.14	22.70	23.00	23.59	23.50	24.08	24.64
12H	4H	20.09	20.90	20.57	21.37	21.84	21.08	21.88	21.56	22.36	22.83
	6H	20.81	21.48	21.32	21.99	22.47	22.19	22.86	22.70	23.36	23.85
	8H	21.11	21.70	21.61	22.19	22.75	22.74	23.33	23.25	23.82	24.38