

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: P1587643

Luminaire Tested: 22CZSP-SB-35-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587643
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-L930
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

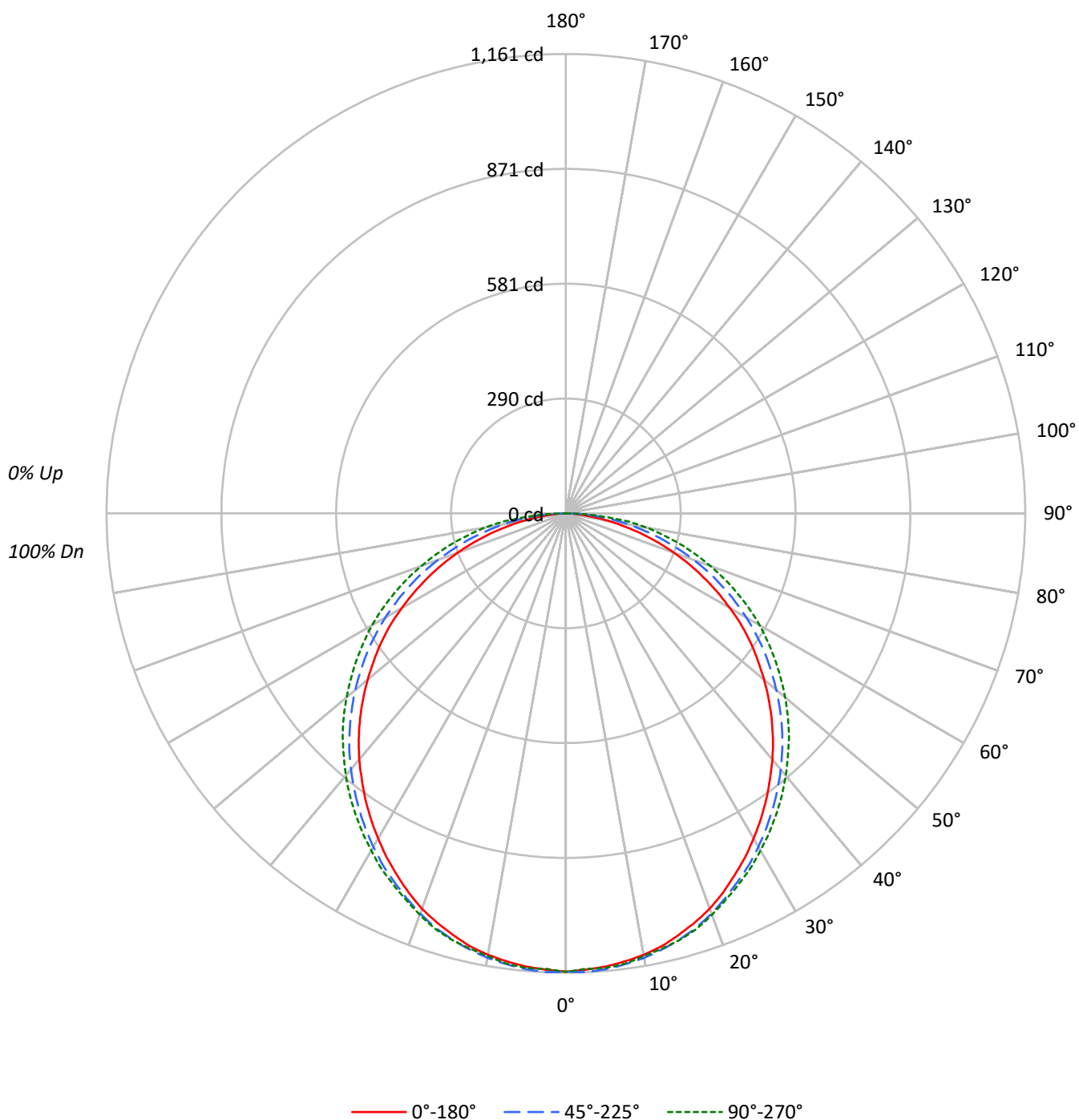
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3381.0 lumens
Efficiency: N/A
Efficacy: 136.9 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°	3628	3628	3628
5°	3614	3635	3626
10°	3602	3627	3613
15°	3575	3612	3617
20°	3544	3586	3598
25°	3486	3548	3573
30°	3431	3519	3558
35°	3375	3485	3545
40°	3320	3454	3536
45°	3258	3422	3533
50°	3186	3385	3525
55°	3113	3348	3524
60°	2998	3299	3545
65°	2858	3234	3547
70°	2666	3145	3558
75°	2373	3031	3619
80°	1949	2903	3754
85°	1286	2727	3395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3846 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	3.2
10°-20°	313.7	9.3
20°-30°	472.8	14.0
30°-40°	569.4	16.8
40°-50°	594.8	17.6
50°-60°	546.5	16.2
60°-70°	430.3	12.7
70°-80°	263.9	7.8
80°-90°	80.0	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°	896.1	26.5
0°-40°	1465.5	43.3
0°-60°	2606.8	77.1
0°-90°	3381.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3381.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1150	1152	1156	1155	1154	109
15°	1103	1107	1114	1118	1116	311
25°	1009	1015	1027	1038	1034	465
35°	883	894	912	928	927	552
45°	736	751	773	794	798	567
55°	570	587	613	640	646	509
65°	386	406	436	466	479	381
75°	196	219	250	280	299	208
85°	36	53	76	84	94	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1158.5	1158.5	1158.5	1158.5	1158.5
2.5°	1154.2	1157.1	1160.7	1155.0	1152.1
5°	1149.9	1152.1	1156.4	1155.0	1153.5
7.5°	1142.1	1143.5	1149.2	1149.2	1147.8
10°	1132.8	1135.6	1140.6	1139.9	1136.4
12.5°	1120.6	1122.8	1128.5	1128.5	1126.3
15°	1102.7	1107.0	1114.2	1118.5	1115.6
17.5°	1084.1	1088.4	1097.7	1102.0	1100.6
20°	1063.4	1066.9	1076.2	1082.7	1079.8
22.5°	1037.6	1041.9	1052.6	1059.8	1056.9
25°	1009.0	1015.4	1026.9	1037.6	1034.0
27.5°	980.4	987.5	1001.8	1012.6	1011.1
30°	948.9	958.2	973.2	986.8	983.9
32.5°	916.7	927.4	943.1	957.5	956.7
35°	883.0	894.5	911.7	928.1	927.4
37.5°	847.3	860.8	878.7	896.6	897.3
40°	812.2	825.1	845.1	864.4	865.1
42.5°	775.0	788.6	810.0	830.1	830.8
45°	735.6	751.4	772.8	794.3	797.9
47.5°	695.5	712.0	734.2	757.1	761.4
50°	654.0	671.2	694.8	719.2	723.5
52.5°	611.8	629.7	654.0	678.4	684.8
55°	570.3	586.8	613.3	639.7	645.5
57.5°	526.7	541.7	570.3	598.2	605.4
60°	478.7	497.3	526.7	554.6	566.0
62.5°	432.2	452.3	482.3	510.2	523.1
65°	385.7	405.7	436.5	465.8	478.7
67.5°	338.5	359.2	392.1	420.0	434.4
70°	291.2	312.0	343.5	373.5	388.6
72.5°	244.0	266.2	297.0	327.7	342.8
75°	196.1	219.0	250.5	280.5	299.1
77.5°	151.0	173.2	204.7	235.4	251.2
80°	108.1	130.2	161.0	191.8	208.2
82.5°	68.7	89.4	119.5	145.3	160.3
85°	35.8	53.0	75.9	84.4	94.5
87.5°	10.7	20.8	29.3	32.9	40.8
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	15.99	17.65	16.36	17.97	18.28	16.74	18.40	17.10	18.71	19.03
	3H	17.75	19.26	18.13	19.59	19.95	18.83	20.34	19.21	20.67	21.03
	4H	18.38	19.80	18.78	20.15	20.52	19.72	21.14	20.11	21.49	21.86
	6H	18.79	20.11	19.20	20.47	20.86	20.48	21.80	20.89	22.17	22.56
	8H	18.90	20.16	19.32	20.55	20.95	20.80	22.06	21.22	22.45	22.84
	12H	18.95	20.16	19.38	20.54	20.97	21.01	22.22	21.44	22.60	23.03
4H	2H	16.76	18.18	17.16	18.53	18.91	17.34	18.76	17.74	19.11	19.48
	3H	18.75	19.95	19.16	20.35	20.75	19.67	20.87	20.08	21.26	21.66
	4H	19.51	20.59	19.94	21.01	21.44	20.70	21.79	21.13	22.20	22.64
	6H	20.04	21.00	20.50	21.44	21.89	21.63	22.59	22.09	23.03	23.48
	8H	20.19	21.08	20.65	21.53	21.99	22.02	22.91	22.48	23.35	23.82
	12H	20.28	21.08	20.76	21.56	22.02	22.29	23.10	22.77	23.57	24.04
8H	4H	19.96	20.85	20.42	21.29	21.76	21.00	21.90	21.46	22.34	22.80
	6H	20.64	21.38	21.13	21.87	22.34	22.09	22.83	22.58	23.32	23.79
	8H	20.86	21.53	21.37	22.03	22.52	22.58	23.24	23.08	23.75	24.23
	12H	21.01	21.60	21.51	22.09	22.65	22.95	23.54	23.46	24.03	24.59
12H	4H	20.04	20.85	20.52	21.32	21.79	21.03	21.83	21.51	22.31	22.78
	6H	20.77	21.44	21.27	21.94	22.42	22.14	22.81	22.65	23.31	23.80
	8H	21.06	21.65	21.56	22.14	22.70	22.69	23.29	23.20	23.78	24.33