

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: P1587670

Luminaire Tested: 22CZSP-SB-37HE-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-8)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 22CZSP-SB-37HE-L950-S
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

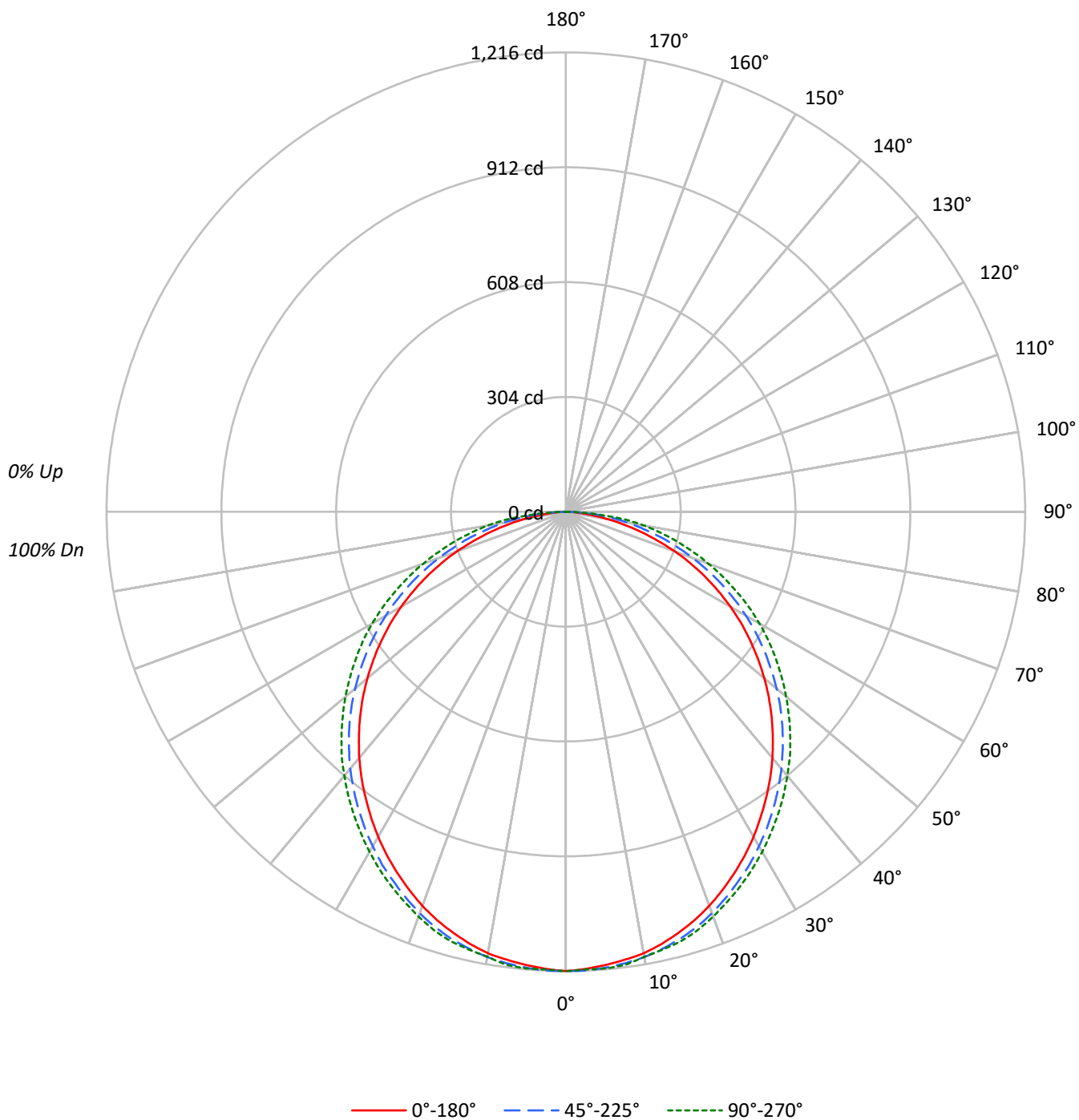
Lumens per Lamp: N/A
Luminaire Lumens: 3537.0 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.1
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	94	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	66	61		69	64	60	58
4	82	70	61	54	79	68	60	53	66	58	53		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	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	38	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3807	3807	3807
5°	3786	3807	3815
10°	3774	3806	3803
15°	3739	3794	3816
20°	3699	3768	3801
25°	3646	3730	3778
30°	3593	3697	3758
35°	3534	3662	3740
40°	3477	3630	3729
45°	3413	3592	3720
50°	3340	3547	3710
55°	3256	3502	3705
60°	3154	3450	3707
65°	3010	3377	3687
70°	2814	3274	3678
75°	2495	3148	3691
80°	2030	2992	3801
85°	1311	2759	3280

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3850 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	3.3
10°-20°	329.5	9.3
20°-30°	496.8	14.0
30°-40°	597.8	16.9
40°-50°	623.5	17.6
50°-60°	571.5	16.2
60°-70°	448.8	12.7
70°-80°	273.2	7.7
80°-90°	80.8	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°	941.4	26.6
0°-40°	1539.2	43.5
0°-60°	2734.2	77.3
0°-90°	3537.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3537.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1216	1216	1216	1216	1216	
5°	1204	1212	1211	1210	1214	114
15°	1154	1165	1170	1172	1177	325
25°	1055	1070	1080	1086	1093	486
35°	924	939	958	972	978	579
45°	771	787	811	830	840	594
55°	596	612	641	667	679	533
65°	406	422	456	486	498	402
75°	206	225	260	291	305	219
85°	36	52	77	86	91	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.9	1215.9	1215.9	1215.9	1215.9
2.5°	1211.3	1217.4	1215.9	1210.6	1212.9
5°	1204.5	1212.1	1211.3	1209.8	1213.6
7.5°	1196.1	1204.5	1205.2	1205.2	1209.8
10°	1187.0	1195.4	1196.9	1194.6	1196.1
12.5°	1171.8	1181.7	1184.7	1184.7	1187.0
15°	1153.5	1164.9	1170.2	1171.8	1177.1
17.5°	1133.7	1145.9	1152.7	1156.5	1161.1
20°	1110.1	1123.1	1130.7	1135.2	1140.6
22.5°	1083.5	1098.0	1106.3	1110.9	1117.0
25°	1055.4	1069.8	1079.7	1086.5	1093.4
27.5°	1025.7	1039.4	1053.1	1061.4	1067.5
30°	993.7	1008.2	1022.6	1033.3	1039.4
32.5°	959.5	974.7	991.4	1002.8	1009.7
35°	924.5	938.9	958.0	971.7	978.5
37.5°	888.7	903.9	923.7	938.2	946.5
40°	850.7	866.7	888.0	903.9	912.3
42.5°	811.1	826.3	849.9	868.2	878.1
45°	770.8	786.8	811.1	830.1	840.0
47.5°	728.9	744.1	770.8	792.8	801.2
50°	685.6	700.0	728.2	751.8	761.6
52.5°	641.4	656.6	684.8	709.9	720.6
55°	596.5	611.8	641.4	667.3	678.7
57.5°	550.9	566.1	596.5	623.2	636.9
60°	503.7	518.9	550.9	578.3	592.0
62.5°	455.0	471.0	503.7	531.9	546.3
65°	406.3	421.5	455.8	486.2	497.6
67.5°	357.6	372.8	406.3	436.7	450.4
70°	307.4	324.9	357.6	389.6	401.7
72.5°	254.9	274.7	307.4	340.9	353.1
75°	206.2	225.2	260.2	291.4	305.1
77.5°	158.3	178.8	211.5	243.5	257.2
80°	112.6	132.4	165.9	196.3	210.8
82.5°	71.5	89.0	122.5	149.9	160.5
85°	36.5	51.7	76.8	86.0	91.3
87.5°	10.7	18.3	27.4	34.2	38.0
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	16.14	17.80	16.51	18.12	18.43	16.88	18.54	17.24	18.85	19.17
	3H	17.91	19.42	18.29	19.74	20.10	18.96	20.46	19.34	20.79	21.15
	4H	18.53	19.95	18.93	20.30	20.67	19.82	21.24	20.22	21.59	21.97
	6H	18.94	20.26	19.35	20.62	21.01	20.57	21.89	20.98	22.25	22.64
	8H	19.04	20.30	19.47	20.69	21.09	20.86	22.12	21.29	22.51	22.91
	12H	19.09	20.30	19.52	20.68	21.11	21.06	22.27	21.49	22.65	23.08
4H	2H	16.91	18.33	17.31	18.68	19.05	17.48	18.90	17.88	19.25	19.63
	3H	18.90	20.10	19.31	20.50	20.90	19.80	20.99	20.21	21.39	21.79
	4H	19.65	20.73	20.08	21.14	21.58	20.82	21.90	21.25	22.31	22.75
	6H	20.18	21.12	20.63	21.56	22.02	21.72	22.67	22.17	23.11	23.56
	8H	20.32	21.21	20.78	21.65	22.11	22.09	22.98	22.55	23.42	23.88
	12H	20.40	21.20	20.88	21.67	22.14	22.34	23.14	22.82	23.62	24.09
8H	4H	20.09	20.98	20.55	21.42	21.89	21.11	22.00	21.57	22.44	22.91
	6H	20.76	21.50	21.25	21.98	22.46	22.17	22.91	22.66	23.40	23.87
	8H	20.96	21.63	21.47	22.14	22.62	22.64	23.31	23.15	23.81	24.30
	12H	21.10	21.69	21.61	22.18	22.74	22.99	23.58	23.50	24.07	24.63
12H	4H	20.17	20.97	20.65	21.45	21.92	21.14	21.94	21.62	22.41	22.88
	6H	20.88	21.55	21.39	22.05	22.54	22.22	22.89	22.73	23.39	23.88
	8H	21.16	21.75	21.66	22.24	22.79	22.76	23.35	23.26	23.84	24.40