

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: P1587631

Luminaire Tested: 22CZSP-SB-33HE-L950

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587631
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-33HE-L950
Description: 2x2 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

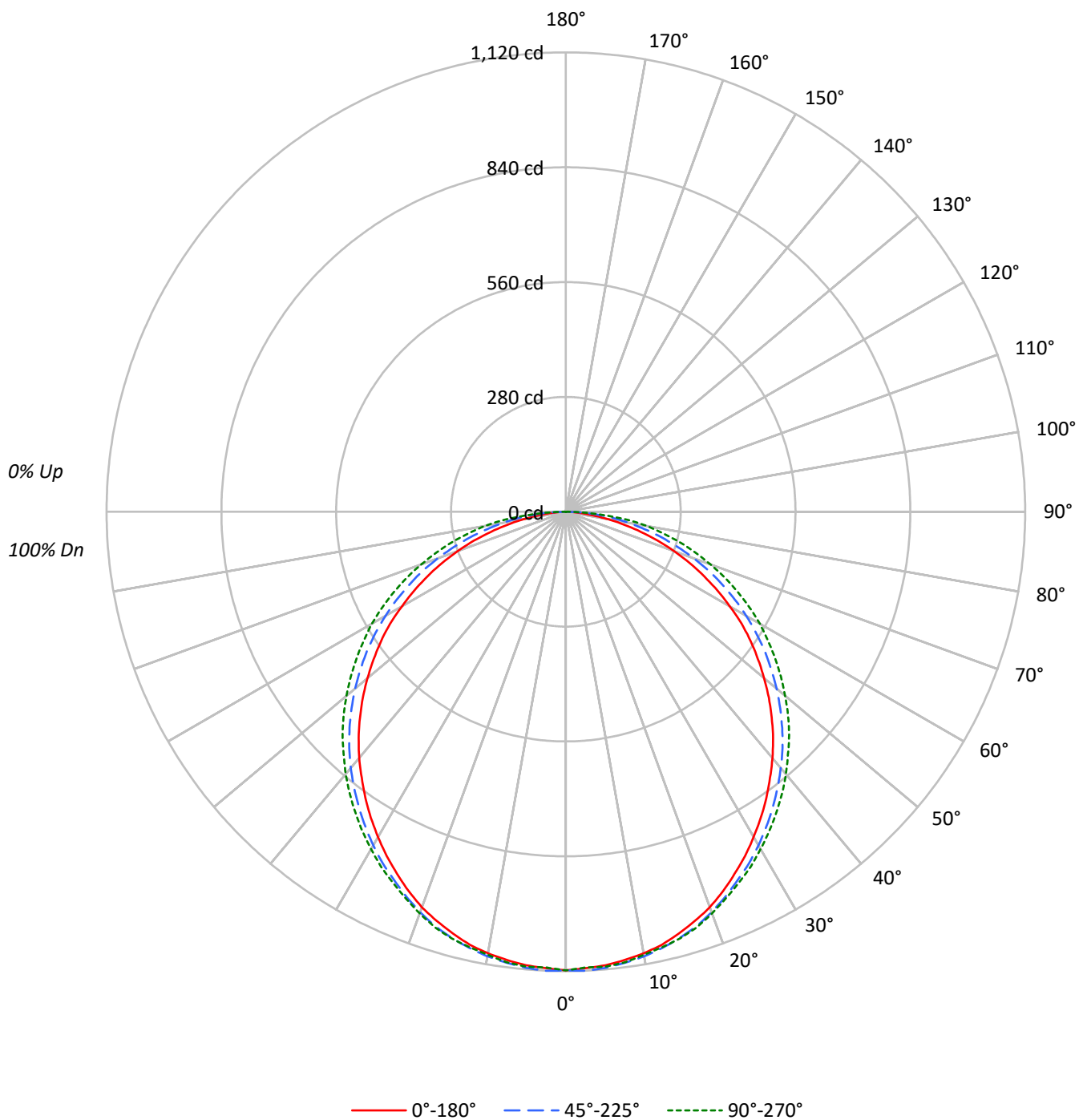
Lumens per Lamp: N/A
Luminaire Lumens: 3263.0 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.38
Luminous Opening: Rectangular (W 1.88' x L: 1.83' x H: 0')
CIE Type: Direct

Input Watts (W): 21.7
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°	3501	3501	3501
5°	3488	3508	3499
10°	3476	3500	3487
15°	3450	3486	3490
20°	3420	3461	3473
25°	3365	3424	3448
30°	3311	3396	3434
35°	3258	3363	3421
40°	3204	3334	3413
45°	3144	3303	3410
50°	3075	3267	3401
55°	3005	3231	3401
60°	2893	3183	3421
65°	2758	3122	3423
70°	2574	3035	3433
75°	2289	2924	3493
80°	1881	2802	3625
85°	1240	2630	3277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 3711 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.8	3.2
10°-20°	302.7	9.3
20°-30°	456.3	14.0
30°-40°	549.5	16.8
40°-50°	574.1	17.6
50°-60°	527.4	16.2
60°-70°	415.3	12.7
70°-80°	254.6	7.8
80°-90°	77.2	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°	864.8	26.5
0°-40°	1414.3	43.3
0°-60°	2515.8	77.1
0°-90°	3263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1118	1118	1118	1118	1118	
5°	1110	1112	1116	1115	1113	105
15°	1064	1068	1075	1079	1077	300
25°	974	980	991	1001	998	449
35°	852	863	880	896	895	533
45°	710	725	746	767	770	548
55°	550	566	592	617	623	491
65°	372	392	421	450	462	368
75°	189	211	242	271	289	201
85°	34	51	73	82	91	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.1	1118.1	1118.1	1118.1	1118.1
2.5°	1114.0	1116.7	1120.2	1114.6	1111.9
5°	1109.8	1111.9	1116.0	1114.6	1113.3
7.5°	1102.2	1103.6	1109.1	1109.1	1107.7
10°	1093.2	1096.0	1100.8	1100.1	1096.7
12.5°	1081.5	1083.6	1089.1	1089.1	1087.0
15°	1064.2	1068.4	1075.3	1079.4	1076.7
17.5°	1046.3	1050.4	1059.4	1063.5	1062.2
20°	1026.2	1029.7	1038.7	1044.9	1042.1
22.5°	1001.4	1005.5	1015.9	1022.8	1020.0
25°	973.8	980.0	991.0	1001.4	997.9
27.5°	946.1	953.0	966.9	977.2	975.8
30°	915.8	924.7	939.2	952.4	949.6
32.5°	884.7	895.0	910.2	924.0	923.3
35°	852.2	863.3	879.8	895.7	895.0
37.5°	817.7	830.8	848.1	865.3	866.0
40°	783.8	796.3	815.6	834.3	834.9
42.5°	747.9	761.1	781.8	801.1	801.8
45°	709.9	725.1	745.9	766.6	770.0
47.5°	671.3	687.2	708.6	730.7	734.8
50°	631.2	647.8	670.6	694.1	698.2
52.5°	590.5	607.7	631.2	654.7	660.9
55°	550.4	566.3	591.9	617.4	622.9
57.5°	508.3	522.8	550.4	577.4	584.3
60°	462.0	480.0	508.3	535.2	546.3
62.5°	417.1	436.5	465.5	492.4	504.8
65°	372.2	391.6	421.3	449.6	462.0
67.5°	326.7	346.7	378.5	405.4	419.2
70°	281.1	301.1	331.5	360.5	375.0
72.5°	235.5	256.9	286.6	316.3	330.8
75°	189.2	211.3	241.7	270.7	288.7
77.5°	145.7	167.1	197.5	227.2	242.4
80°	104.3	125.7	155.4	185.1	201.0
82.5°	66.3	86.3	115.3	140.2	154.7
85°	34.5	51.1	73.2	81.5	91.2
87.5°	10.4	20.0	28.3	31.8	39.4
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	15.87	17.53	16.23	17.84	18.16	16.61	18.28	16.98	18.59	18.90
	3H	17.63	19.14	18.01	19.46	19.82	18.71	20.22	19.09	20.54	20.90
	4H	18.25	19.68	18.65	20.02	20.40	19.59	21.02	19.99	21.36	21.74
	6H	18.67	19.99	19.08	20.35	20.74	20.36	21.68	20.77	22.04	22.44
	8H	18.77	20.04	19.20	20.42	20.82	20.67	21.93	21.10	22.32	22.72
	12H	18.82	20.04	19.25	20.42	20.85	20.88	22.10	21.31	22.48	22.91
4H	2H	16.64	18.06	17.04	18.41	18.78	17.22	18.64	17.62	18.99	19.36
	3H	18.63	19.83	19.04	20.23	20.62	19.55	20.74	19.95	21.14	21.54
	4H	19.38	20.47	19.82	20.88	21.32	20.58	21.67	21.01	22.08	22.51
	6H	19.92	20.87	20.37	21.31	21.77	21.51	22.46	21.96	22.90	23.36
	8H	20.07	20.96	20.53	21.40	21.87	21.89	22.79	22.35	23.23	23.69
	12H	20.15	20.96	20.63	21.43	21.90	22.17	22.97	22.65	23.45	23.92
8H	4H	19.84	20.73	20.30	21.17	21.63	20.88	21.77	21.34	22.21	22.68
	6H	20.51	21.26	21.01	21.75	22.22	21.96	22.71	22.46	23.20	23.67
	8H	20.73	21.40	21.24	21.91	22.39	22.45	23.12	22.96	23.63	24.11
	12H	20.88	21.47	21.39	21.96	22.52	22.83	23.42	23.33	23.91	24.47
12H	4H	19.92	20.72	20.40	21.20	21.67	20.91	21.71	21.39	22.19	22.65
	6H	20.64	21.31	21.15	21.82	22.30	22.02	22.69	22.52	23.19	23.68
	8H	20.93	21.53	21.44	22.01	22.57	22.57	23.16	23.08	23.65	24.21