

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: P1587673

Luminaire Tested: 22CZSP-SB-42-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1587673
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-42-L830
Description: 2x2 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

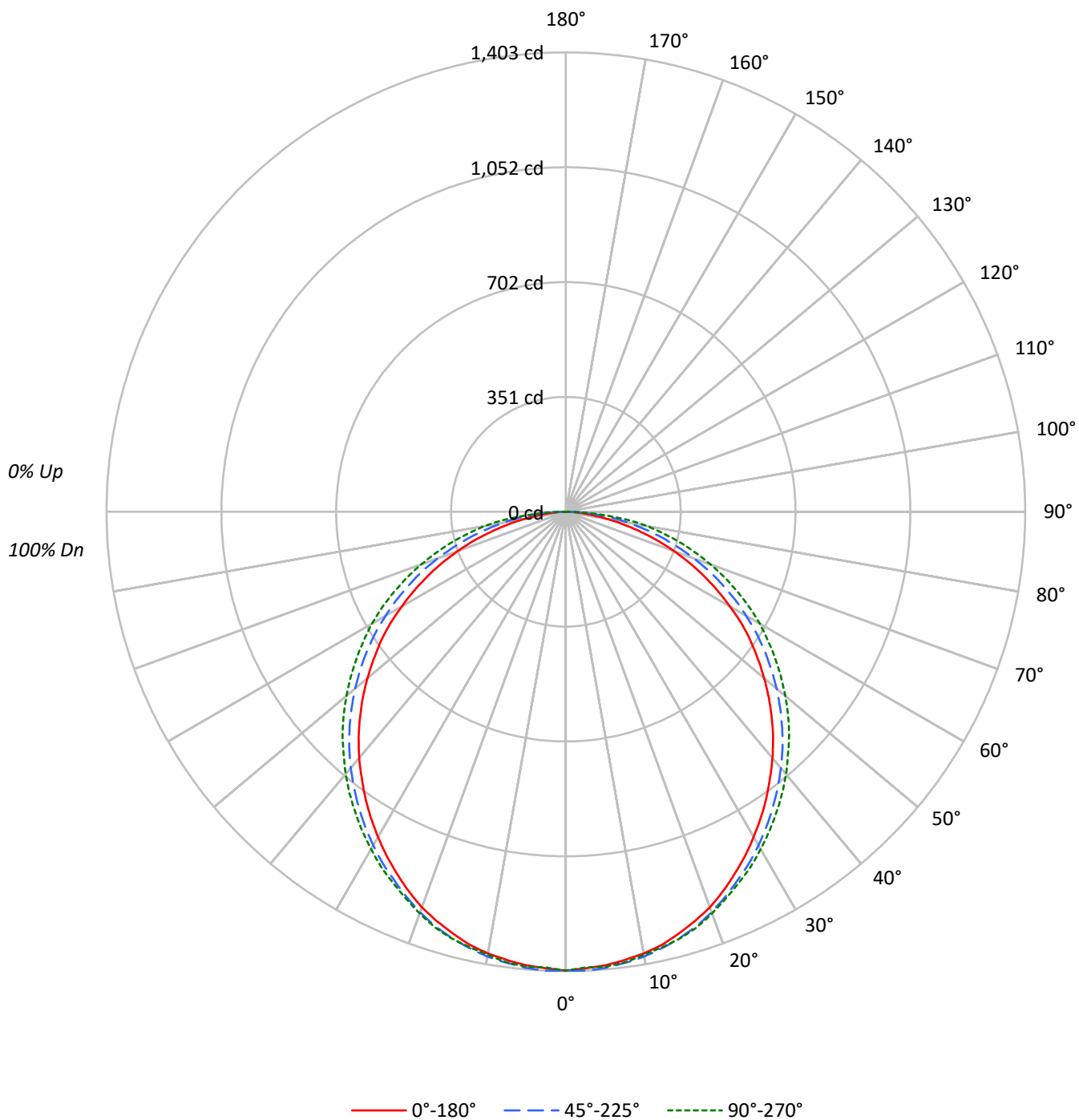
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4088.0 lumens
Efficiency: N/A
Efficacy: 141.5 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): 28.9
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°	4386	4386	4386
5°	4370	4395	4384
10°	4355	4385	4369
15°	4322	4367	4373
20°	4284	4336	4351
25°	4215	4290	4319
30°	4148	4255	4302
35°	4081	4214	4286
40°	4014	4177	4276
45°	3939	4138	4272
50°	3852	4093	4261
55°	3765	4048	4260
60°	3625	3988	4286
65°	3456	3911	4289
70°	3224	3802	4301
75°	2869	3663	4376
80°	2355	3511	4541
85°	1556	3295	4103

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 82.5°

Luminance: 4649 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	3.2
10°-20°	379.3	9.3
20°-30°	571.7	14.0
30°-40°	688.4	16.8
40°-50°	719.2	17.6
50°-60°	660.8	16.2
60°-70°	520.3	12.7
70°-80°	319.0	7.8
80°-90°	96.7	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°	1083.5	26.5
0°-40°	1771.9	43.3
0°-60°	3151.9	77.1
0°-90°	4088.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4088.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1401	1401	1401	1401	1401	
5°	1390	1393	1398	1396	1395	132
15°	1333	1338	1347	1352	1349	376
25°	1220	1228	1242	1255	1250	562
35°	1068	1082	1102	1122	1121	668
45°	889	908	934	960	965	686
55°	690	710	742	774	780	615
65°	466	491	528	563	579	461
75°	237	265	303	339	362	252
85°	43	64	92	102	114	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1400.8	1400.8	1400.8	1400.8	1400.8
2.5°	1395.6	1399.1	1403.4	1396.5	1393.0
5°	1390.4	1393.0	1398.2	1396.5	1394.7
7.5°	1380.9	1382.6	1389.5	1389.5	1387.8
10°	1369.6	1373.1	1379.2	1378.3	1374.0
12.5°	1354.9	1357.5	1364.5	1364.5	1361.9
15°	1333.3	1338.5	1347.2	1352.3	1348.9
17.5°	1310.8	1316.0	1327.3	1332.4	1330.7
20°	1285.7	1290.0	1301.3	1309.1	1305.6
22.5°	1254.6	1259.8	1272.7	1281.4	1277.9
25°	1220.0	1227.7	1241.6	1254.6	1250.2
27.5°	1185.4	1194.0	1211.3	1224.3	1222.6
30°	1147.3	1158.5	1176.7	1193.1	1189.7
32.5°	1108.3	1121.3	1140.4	1157.7	1156.8
35°	1067.7	1081.5	1102.3	1122.2	1121.3
37.5°	1024.4	1040.9	1062.5	1084.1	1085.0
40°	982.0	997.6	1021.8	1045.2	1046.1
42.5°	937.0	953.5	979.4	1003.7	1004.5
45°	889.4	908.5	934.4	960.4	964.7
47.5°	841.0	860.9	887.7	915.4	920.6
50°	790.8	811.6	840.1	869.5	874.7
52.5°	739.8	761.4	790.8	820.2	828.0
55°	689.6	709.5	741.5	773.5	780.4
57.5°	636.8	655.0	689.6	723.3	732.0
60°	578.8	601.3	636.8	670.5	684.4
62.5°	522.6	546.8	583.2	616.9	632.5
65°	466.4	490.6	527.8	563.3	578.8
67.5°	409.2	434.3	474.1	507.9	525.2
70°	352.1	377.2	415.3	451.6	469.8
72.5°	295.0	321.9	359.1	396.3	414.4
75°	237.1	264.8	302.8	339.2	361.7
77.5°	182.6	209.4	247.5	284.7	303.7
80°	130.6	157.5	194.7	231.9	251.8
82.5°	83.1	108.2	144.5	175.6	193.8
85°	43.3	64.0	91.7	102.1	114.2
87.5°	13.0	25.1	35.5	39.8	49.3
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	16.65	18.31	17.02	18.63	18.94	17.40	19.06	17.76	19.37	19.69
	3H	18.41	19.92	18.79	20.25	20.61	19.49	21.00	19.87	21.33	21.69
	4H	19.04	20.46	19.43	20.81	21.18	20.38	21.80	20.77	22.15	22.52
	6H	19.45	20.77	19.86	21.13	21.52	21.14	22.46	21.55	22.83	23.22
	8H	19.56	20.82	19.98	21.21	21.61	21.46	22.72	21.88	23.11	23.50
	12H	19.61	20.82	20.04	21.20	21.63	21.67	22.88	22.10	23.26	23.69
4H	2H	17.42	18.84	17.82	19.19	19.57	18.00	19.42	18.40	19.77	20.14
	3H	19.41	20.61	19.82	21.01	21.41	20.33	21.53	20.74	21.92	22.32
	4H	20.17	21.25	20.60	21.67	22.10	21.36	22.45	21.79	22.86	23.30
	6H	20.70	21.66	21.16	22.10	22.55	22.29	23.25	22.75	23.69	24.14
	8H	20.85	21.74	21.31	22.19	22.65	22.68	23.57	23.14	24.01	24.48
	12H	20.94	21.74	21.42	22.22	22.68	22.95	23.76	23.43	24.23	24.70
8H	4H	20.62	21.51	21.08	21.95	22.42	21.66	22.56	22.12	23.00	23.46
	6H	21.30	22.04	21.79	22.53	23.00	22.75	23.49	23.24	23.98	24.45
	8H	21.52	22.19	22.03	22.69	23.18	23.24	23.90	23.74	24.41	24.89
	12H	21.67	22.26	22.17	22.75	23.31	23.61	24.20	24.12	24.69	25.25
12H	4H	20.70	21.51	21.18	21.98	22.45	21.69	22.49	22.17	22.97	23.44
	6H	21.43	22.10	21.93	22.60	23.08	22.80	23.47	23.31	23.97	24.46
	8H	21.72	22.31	22.22	22.80	23.36	23.35	23.95	23.86	24.44	24.99