

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: P1585672

Luminaire Tested: 14CZSP-SB-42-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-42-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

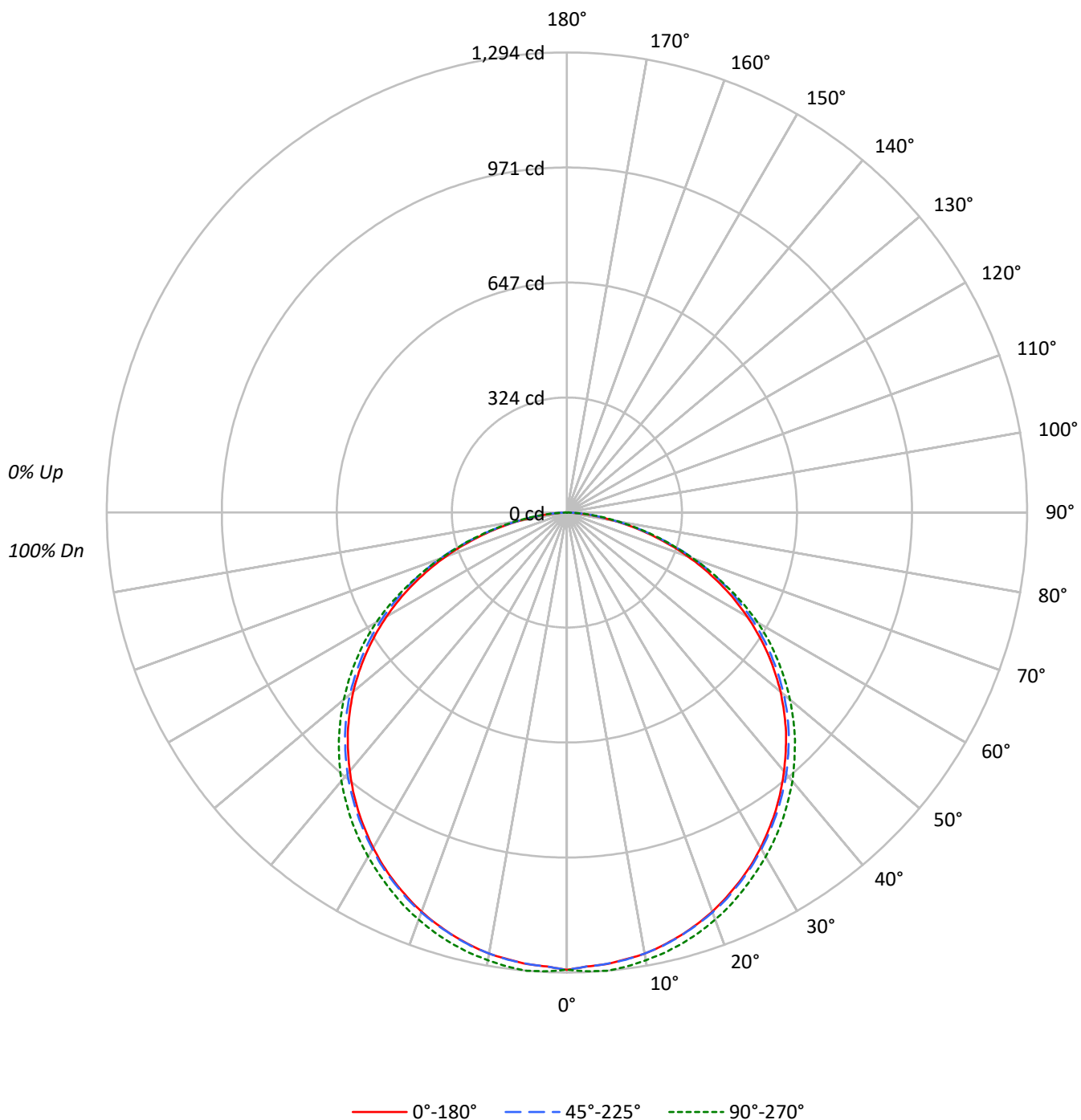
Lumens per Lamp: N/A
Luminaire Lumens: 3796.0 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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

TEST NUMBER: P1585672

CATALOG NUMBER: 14CZSP-SB-42-L830-S

Luminous Intensity Polar Plot



TEST NUMBER: P1585672

CATALOG NUMBER: 14CZSP-SB-42-L830-S

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	104	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4334	4334	4334
5°	4314	4312	4377
10°	4312	4310	4375
15°	4299	4303	4378
20°	4285	4294	4371
25°	4264	4274	4357
30°	4238	4256	4349
35°	4211	4237	4347
40°	4178	4221	4339
45°	4152	4205	4321
50°	4110	4174	4293
55°	4046	4122	4252
60°	3948	4050	4176
65°	3800	3944	3986
70°	3573	3740	3716
75°	3209	3345	3368
80°	2651	2787	2932
85°	1775	2068	2181

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4321 cd/sqm

TEST NUMBER: P1585672

CATALOG NUMBER: 14CZSP-SB-42-L830-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.9	3.2
10°-20°	350.4	9.2
20°-30°	533.6	14.1
30°-40°	649.5	17.1
40°-50°	684.7	18.0
50°-60°	630.6	16.6
60°-70°	487.1	12.8
70°-80°	272.5	7.2
80°-90°	65.7	1.7
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°	1006.0	26.5
0°-40°	1655.5	43.6
0°-60°	2970.7	78.3
0°-90°	3796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1286	1286	1286	1286	1286	
5°	1275	1293	1275	1276	1294	121
15°	1232	1249	1233	1240	1255	348
25°	1147	1163	1150	1157	1172	529
35°	1024	1039	1030	1043	1057	640
45°	871	884	882	896	907	671
55°	689	700	702	716	724	615
65°	477	491	495	499	500	471
75°	246	262	257	256	259	261
85°	46	51	54	60	56	59
90°	0	0	0	0	0	

TEST NUMBER: P1585672

CATALOG NUMBER: 14CZSP-SB-42-L830-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.3	1286.3	1286.3	1286.3	1286.3
2.5°	1278.2	1296.8	1278.2	1281.1	1291.6
5°	1275.3	1293.3	1274.7	1276.4	1293.9
7.5°	1267.7	1286.3	1268.9	1271.2	1288.1
10°	1260.2	1277.0	1259.6	1262.5	1278.8
12.5°	1247.4	1264.8	1248.5	1252.0	1268.3
15°	1232.3	1249.1	1233.4	1240.4	1254.9
17.5°	1214.8	1231.1	1216.0	1224.1	1238.1
20°	1195.1	1210.8	1197.4	1203.2	1218.9
22.5°	1171.8	1188.1	1175.3	1180.5	1197.4
25°	1146.8	1163.1	1149.7	1157.3	1171.8
27.5°	1119.5	1135.2	1123.6	1132.9	1145.7
30°	1089.3	1104.4	1093.9	1105.0	1117.8
32.5°	1056.7	1073.0	1062.5	1075.3	1088.1
35°	1023.6	1038.7	1030.0	1042.8	1056.7
37.5°	987.6	1002.1	995.7	1009.1	1021.9
40°	949.8	966.1	959.7	973.6	986.4
42.5°	910.8	926.5	921.3	935.8	946.9
45°	871.3	883.5	882.4	895.7	906.8
47.5°	827.7	842.8	840.5	853.9	863.8
50°	784.1	796.3	796.3	809.1	819.0
52.5°	737.0	749.2	749.2	764.4	772.5
55°	688.8	700.4	701.6	716.1	723.7
57.5°	637.6	649.8	652.2	666.7	673.7
60°	585.9	597.5	601.0	615.6	619.6
62.5°	531.9	545.8	547.5	559.2	561.5
65°	476.6	490.6	494.7	499.3	499.9
67.5°	420.2	434.8	438.9	438.9	438.9
70°	362.7	376.1	379.6	377.2	377.2
72.5°	304.6	319.1	317.4	315.0	316.2
75°	246.5	261.6	256.9	256.3	258.7
77.5°	190.7	205.2	197.6	202.3	202.9
80°	136.6	147.6	143.6	150.5	151.1
82.5°	87.8	94.7	95.9	101.7	100.0
85°	45.9	50.6	53.5	59.9	56.4
87.5°	14.5	19.2	17.4	20.3	15.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1585672

CATALOG NUMBER: 14CZSP-SB-42-L830-S

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	17.13	18.78	17.49	19.10	19.41	17.35	19.00	17.71	19.32	19.63
	3H	18.95	20.45	19.33	20.78	21.14	19.15	20.65	19.52	20.97	21.33
	4H	19.60	21.01	20.00	21.36	21.73	19.78	21.20	20.18	21.54	21.92
	6H	20.03	21.34	20.44	21.70	22.09	20.24	21.55	20.65	21.91	22.30
	8H	20.14	21.39	20.56	21.78	22.17	20.37	21.62	20.79	22.01	22.41
	12H	20.19	21.39	20.62	21.77	22.20	20.45	21.64	20.87	22.03	22.45
4H	2H	17.81	19.22	18.21	19.57	19.94	17.98	19.39	18.38	19.74	20.11
	3H	19.85	21.04	20.26	21.43	21.83	19.99	21.18	20.40	21.58	21.97
	4H	20.63	21.70	21.06	22.12	22.55	20.75	21.82	21.18	22.24	22.67
	6H	21.18	22.12	21.63	22.56	23.01	21.33	22.26	21.78	22.70	23.16
	8H	21.33	22.20	21.79	22.65	23.11	21.50	22.38	21.96	22.82	23.28
	12H	21.41	22.20	21.89	22.67	23.14	21.61	22.40	22.09	22.88	23.35
8H	4H	20.94	21.82	21.40	22.26	22.72	21.05	21.92	21.51	22.36	22.83
	6H	21.60	22.33	22.09	22.81	23.29	21.73	22.46	22.22	22.94	23.42
	8H	21.80	22.46	22.31	22.96	23.45	21.97	22.62	22.47	23.13	23.61
	12H	21.94	22.51	22.44	23.00	23.56	22.14	22.72	22.65	23.21	23.77
12H	4H	20.97	21.76	21.45	22.23	22.70	21.07	21.86	21.55	22.34	22.81
	6H	21.64	22.30	22.15	22.80	23.29	21.77	22.42	22.28	22.93	23.41
	8H	21.90	22.48	22.40	22.97	23.53	22.06	22.64	22.56	23.13	23.69