

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: P1585673

Luminaire Tested: 14CZSP-SB-42-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-SB-42-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

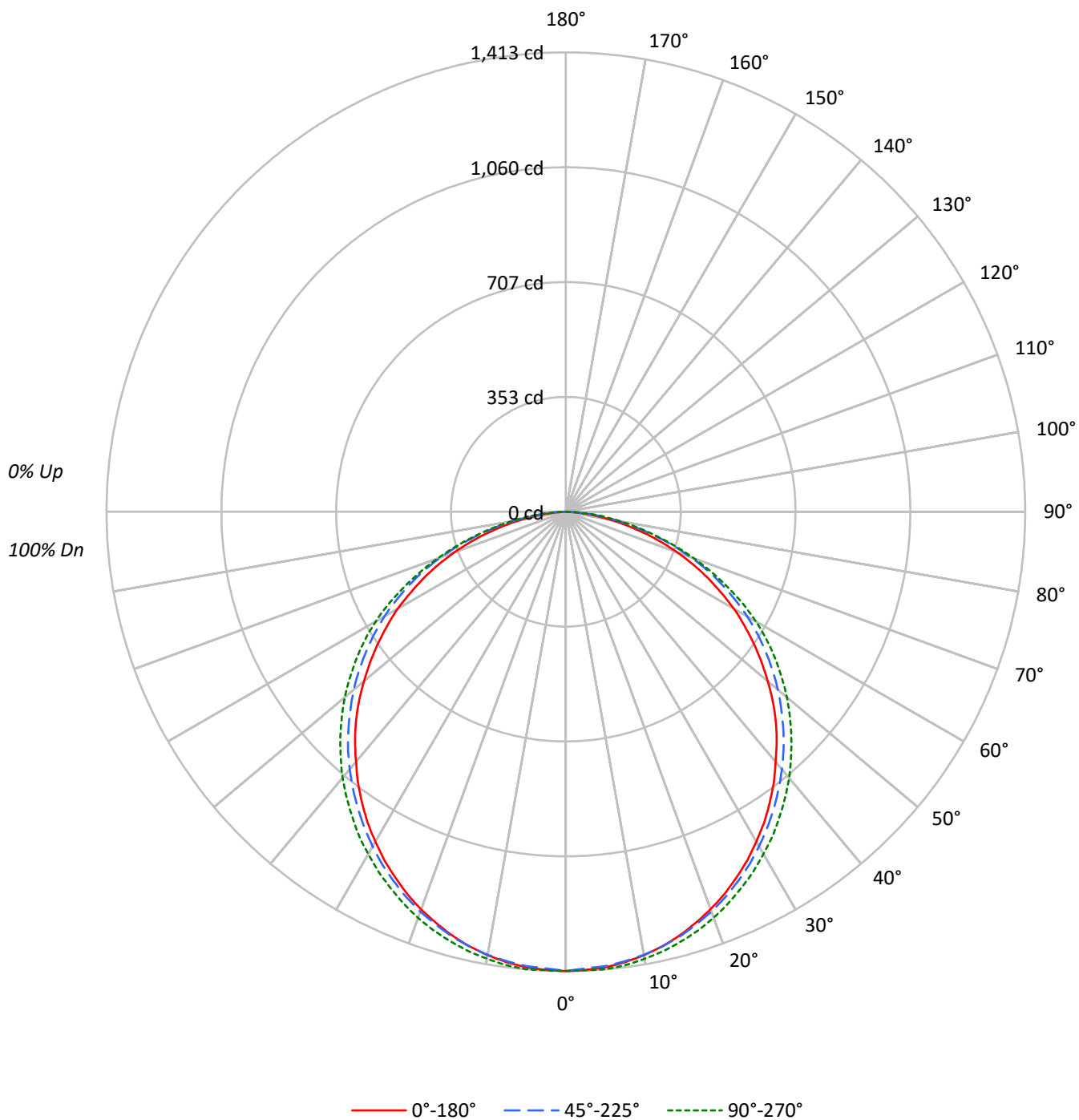
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4081.0 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
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

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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	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4760	4760	4760
5°	4756	4744	4776
10°	4739	4735	4777
15°	4708	4718	4774
20°	4667	4694	4766
25°	4616	4660	4747
30°	4559	4625	4730
35°	4495	4587	4713
40°	4417	4548	4701
45°	4353	4507	4675
50°	4249	4465	4653
55°	4140	4407	4617
60°	4029	4342	4556
65°	3848	4227	4382
70°	3591	4036	4135
75°	3199	3658	3765
80°	2612	3171	3332
85°	1728	2525	2706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	3.3
10°-20°	383.2	9.4
20°-30°	580.2	14.2
30°-40°	700.4	17.2
40°-50°	731.4	17.9
50°-60°	669.1	16.4
60°-70°	517.3	12.7
70°-80°	292.8	7.2
80°-90°	72.7	1.8
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°	1097.3	26.9
0°-40°	1797.6	44.0
0°-60°	3198.1	78.4
0°-90°	4081.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4081.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1406	1416	1403	1404	1412	134
15°	1350	1362	1353	1359	1368	381
25°	1242	1257	1253	1265	1277	572
35°	1093	1108	1115	1134	1146	684
45°	914	931	946	970	981	704
55°	705	726	750	774	786	630
65°	483	503	530	546	550	476
75°	246	267	281	288	289	261
85°	45	52	65	68	70	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1412.6	1412.6	1412.6	1412.6	1412.6
2.5°	1410.8	1420.8	1405.6	1408.5	1411.4
5°	1406.1	1416.1	1402.6	1403.8	1412.0
7.5°	1397.3	1408.5	1394.4	1396.7	1406.7
10°	1385.0	1396.1	1383.8	1386.2	1396.1
12.5°	1369.1	1380.3	1369.7	1373.2	1384.4
15°	1349.7	1361.5	1352.6	1359.1	1368.5
17.5°	1326.2	1340.9	1331.5	1341.5	1350.9
20°	1301.5	1316.2	1309.1	1318.0	1329.1
22.5°	1273.3	1288.0	1282.7	1292.1	1304.4
25°	1241.5	1257.4	1253.3	1265.1	1276.8
27.5°	1208.6	1223.9	1222.7	1235.7	1248.0
30°	1171.6	1188.0	1188.6	1203.9	1215.7
32.5°	1134.6	1149.2	1152.8	1169.8	1183.3
35°	1092.8	1108.1	1115.2	1134.0	1145.7
37.5°	1050.5	1067.5	1075.2	1095.8	1108.1
40°	1004.1	1023.4	1034.0	1055.8	1068.7
42.5°	960.0	977.6	991.7	1013.5	1025.2
45°	913.5	931.2	945.9	970.0	981.1
47.5°	863.6	883.0	898.8	922.3	934.7
50°	810.6	831.8	851.8	874.7	887.7
52.5°	758.3	778.9	801.8	824.2	837.1
55°	704.8	726.0	750.1	773.6	786.0
57.5°	650.8	671.9	698.4	719.5	732.5
60°	597.8	617.2	644.3	665.4	676.0
62.5°	537.9	560.2	587.9	609.0	614.9
65°	482.6	502.6	530.2	546.1	549.6
67.5°	423.8	443.8	471.5	480.3	485.6
70°	364.5	385.6	409.7	415.6	419.7
72.5°	304.5	326.3	345.1	350.9	354.5
75°	245.7	266.9	281.0	288.0	289.2
77.5°	188.7	208.1	221.0	229.3	229.3
80°	134.6	149.3	163.4	172.2	171.7
82.5°	85.8	97.0	111.7	118.2	122.3
85°	44.7	51.7	65.3	68.2	70.0
87.5°	14.1	18.2	23.5	19.4	18.8
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	17.10	18.75	17.47	19.07	19.38	17.64	19.29	18.01	19.61	19.92
	3H	18.87	20.37	19.25	20.69	21.05	19.50	21.00	19.88	21.32	21.68
	4H	19.50	20.90	19.89	21.25	21.63	20.17	21.58	20.57	21.93	22.30
	6H	19.90	21.21	20.31	21.57	21.96	20.66	21.97	21.07	22.33	22.72
	8H	20.00	21.25	20.43	21.64	22.04	20.82	22.06	21.24	22.45	22.85
	12H	20.05	21.25	20.48	21.63	22.06	20.91	22.11	21.34	22.49	22.92
4H	2H	17.84	19.25	18.24	19.59	19.97	18.26	19.67	18.66	20.02	20.39
	3H	19.83	21.01	20.24	21.41	21.81	20.34	21.52	20.75	21.92	22.32
	4H	20.58	21.65	21.01	22.06	22.50	21.14	22.21	21.57	22.62	23.06
	6H	21.10	22.04	21.55	22.48	22.93	21.76	22.69	22.21	23.13	23.59
	8H	21.24	22.11	21.70	22.55	23.02	21.96	22.83	22.42	23.28	23.74
	12H	21.31	22.10	21.79	22.57	23.04	22.10	22.89	22.58	23.36	23.83
8H	4H	20.94	21.81	21.40	22.25	22.72	21.43	22.31	21.89	22.75	23.21
	6H	21.57	22.30	22.06	22.78	23.26	22.16	22.89	22.66	23.38	23.85
	8H	21.76	22.42	22.27	22.92	23.41	22.44	23.09	22.94	23.59	24.08
	12H	21.89	22.46	22.39	22.95	23.51	22.64	23.22	23.15	23.71	24.27
12H	4H	20.98	21.76	21.46	22.24	22.71	21.45	22.24	21.93	22.72	23.19
	6H	21.63	22.29	22.14	22.79	23.28	22.20	22.86	22.71	23.36	23.85
	8H	21.88	22.46	22.39	22.95	23.51	22.53	23.11	23.04	23.60	24.16