

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: P1585679

Luminaire Tested: 14CZSP-SB-42-L845

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585679
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-L845
Description: 1x4 CZSP LED Luminaire, 4500K CCT and 3500 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

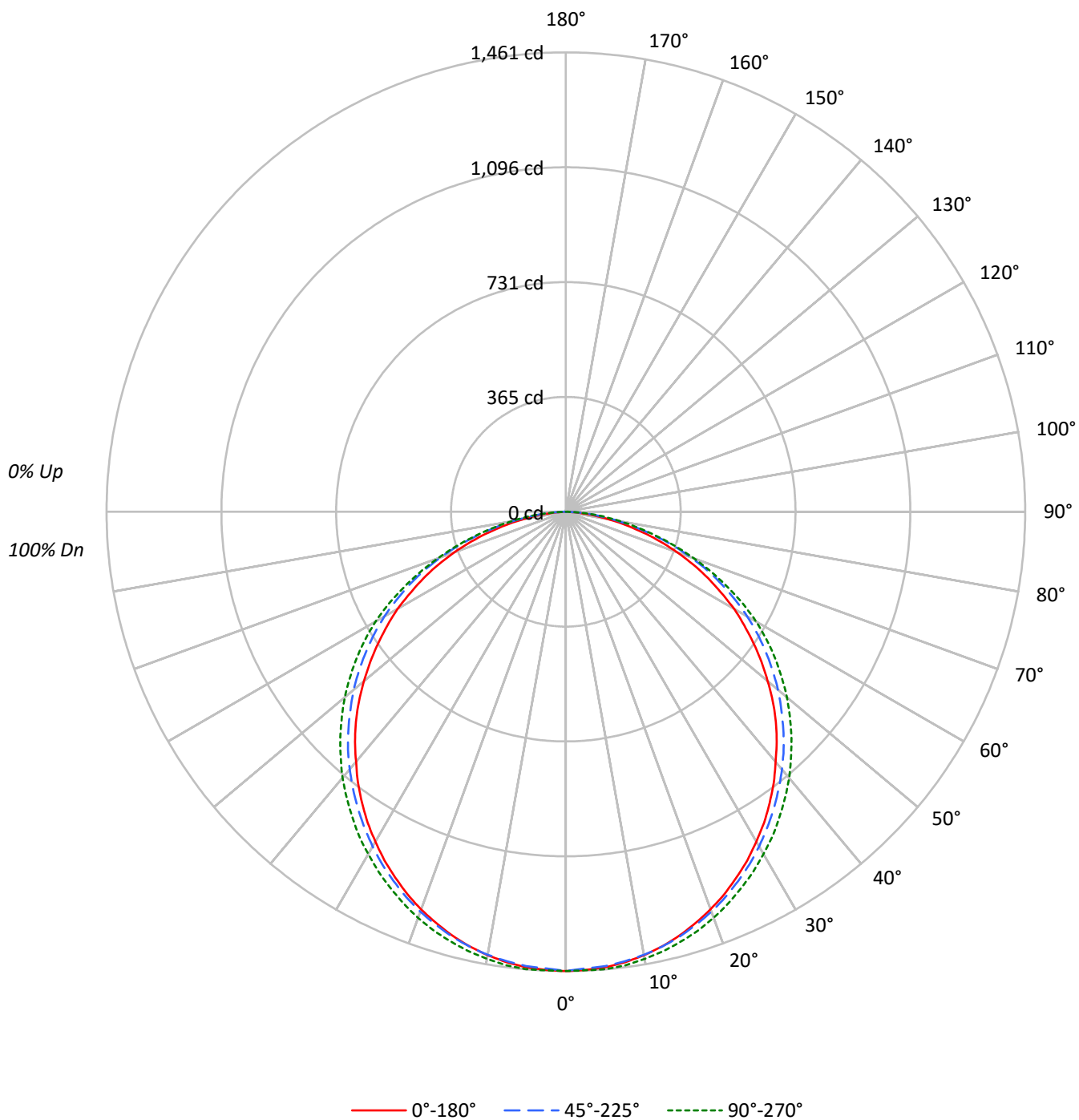
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4220.0 lumens
Efficiency: N/A
Efficacy: 148.1 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°	4922	4922	4922
5°	4918	4906	4939
10°	4900	4896	4940
15°	4869	4879	4936
20°	4826	4854	4928
25°	4773	4818	4909
30°	4714	4782	4891
35°	4648	4743	4873
40°	4567	4703	4861
45°	4501	4661	4834
50°	4394	4617	4812
55°	4281	4556	4774
60°	4166	4490	4711
65°	3979	4372	4532
70°	3713	4174	4276
75°	3308	3783	3894
80°	2701	3279	3444
85°	1786	2610	2795

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4834 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.3	3.3
10°-20°	396.3	9.4
20°-30°	600.0	14.2
30°-40°	724.2	17.2
40°-50°	756.3	17.9
50°-60°	691.9	16.4
60°-70°	534.9	12.7
70°-80°	302.8	7.2
80°-90°	75.2	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°	1134.6	26.9
0°-40°	1858.9	44.0
0°-60°	3307.1	78.4
0°-90°	4220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1461	1461	1461	1461	1461	
5°	1454	1464	1450	1452	1460	138
15°	1396	1408	1399	1405	1415	394
25°	1284	1300	1296	1308	1320	592
35°	1130	1146	1153	1173	1185	707
45°	945	963	978	1003	1014	728
55°	729	751	776	800	813	652
65°	499	520	548	565	568	493
75°	254	276	291	298	299	269
85°	46	54	68	70	72	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1460.7	1460.7	1460.7	1460.7	1460.7
2.5°	1458.9	1469.2	1453.4	1456.5	1459.5
5°	1454.0	1464.4	1450.4	1451.6	1460.1
7.5°	1444.9	1456.5	1441.9	1444.3	1454.6
10°	1432.2	1443.7	1430.9	1433.4	1443.7
12.5°	1415.7	1427.3	1416.3	1420.0	1431.5
15°	1395.7	1407.8	1398.7	1405.4	1415.1
17.5°	1371.4	1386.6	1376.8	1387.2	1396.9
20°	1345.8	1361.0	1353.7	1362.9	1374.4
22.5°	1316.7	1331.9	1326.4	1336.1	1348.9
25°	1283.8	1300.2	1296.0	1308.1	1320.3
27.5°	1249.8	1265.6	1264.4	1277.8	1290.5
30°	1211.5	1228.5	1229.1	1244.9	1257.1
32.5°	1173.2	1188.4	1192.0	1209.7	1223.6
35°	1130.0	1145.8	1153.1	1172.6	1184.7
37.5°	1086.3	1103.9	1111.8	1133.1	1145.8
40°	1038.2	1058.3	1069.2	1091.7	1105.1
42.5°	992.7	1010.9	1025.5	1048.0	1060.1
45°	944.6	962.9	978.1	1003.0	1014.5
47.5°	893.0	913.0	929.4	953.8	966.5
50°	838.3	860.1	880.8	904.5	917.9
52.5°	784.2	805.4	829.1	852.2	865.6
55°	728.8	750.7	775.6	800.0	812.7
57.5°	672.9	694.8	722.2	744.0	757.4
60°	618.2	638.3	666.2	688.1	699.1
62.5°	556.2	579.3	607.9	629.8	635.8
65°	499.1	519.7	548.3	564.7	568.4
67.5°	438.3	458.9	487.5	496.6	502.1
70°	376.9	398.8	423.7	429.8	434.0
72.5°	314.9	337.4	356.8	362.9	366.5
75°	254.1	276.0	290.6	297.9	299.1
77.5°	195.1	215.2	228.6	237.1	237.1
80°	139.2	154.4	169.0	178.1	177.5
82.5°	88.7	100.3	115.5	122.2	126.4
85°	46.2	53.5	67.5	70.5	72.3
87.5°	14.6	18.8	24.3	20.1	19.5
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	17.22	18.87	17.58	19.18	19.50	17.76	19.41	18.12	19.72	20.04
	3H	18.99	20.48	19.37	20.81	21.17	19.62	21.11	19.99	21.44	21.80
	4H	19.61	21.02	20.01	21.37	21.74	20.29	21.70	20.69	22.05	22.42
	6H	20.02	21.32	20.43	21.69	22.08	20.78	22.08	21.19	22.45	22.84
	8H	20.12	21.37	20.54	21.76	22.15	20.93	22.18	21.36	22.57	22.97
	12H	20.17	21.36	20.60	21.74	22.17	21.03	22.23	21.46	22.61	23.04
4H	2H	17.96	19.36	18.35	19.71	20.09	18.38	19.79	18.78	20.13	20.51
	3H	19.95	21.13	20.36	21.53	21.93	20.46	21.64	20.87	22.03	22.43
	4H	20.70	21.77	21.13	22.18	22.62	21.26	22.33	21.69	22.74	23.17
	6H	21.22	22.15	21.67	22.59	23.05	21.87	22.81	22.33	23.25	23.70
	8H	21.35	22.23	21.81	22.67	23.13	22.08	22.95	22.53	23.39	23.86
	12H	21.43	22.22	21.91	22.69	23.16	22.21	23.00	22.69	23.48	23.94
8H	4H	21.05	21.93	21.51	22.37	22.83	21.55	22.42	22.01	22.86	23.33
	6H	21.69	22.41	22.18	22.90	23.37	22.28	23.01	22.77	23.49	23.97
	8H	21.88	22.53	22.39	23.04	23.52	22.55	23.21	23.06	23.71	24.20
	12H	22.00	22.58	22.51	23.07	23.63	22.76	23.34	23.27	23.83	24.39
12H	4H	21.09	21.88	21.57	22.36	22.82	21.57	22.36	22.05	22.83	23.30
	6H	21.75	22.40	22.26	22.91	23.39	22.32	22.98	22.83	23.48	23.97
	8H	22.00	22.58	22.50	23.07	23.63	22.65	23.23	23.16	23.72	24.28