

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: P1585714

Luminaire Tested: 14CZSP-SB-47-L835-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585714
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-47-L835-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

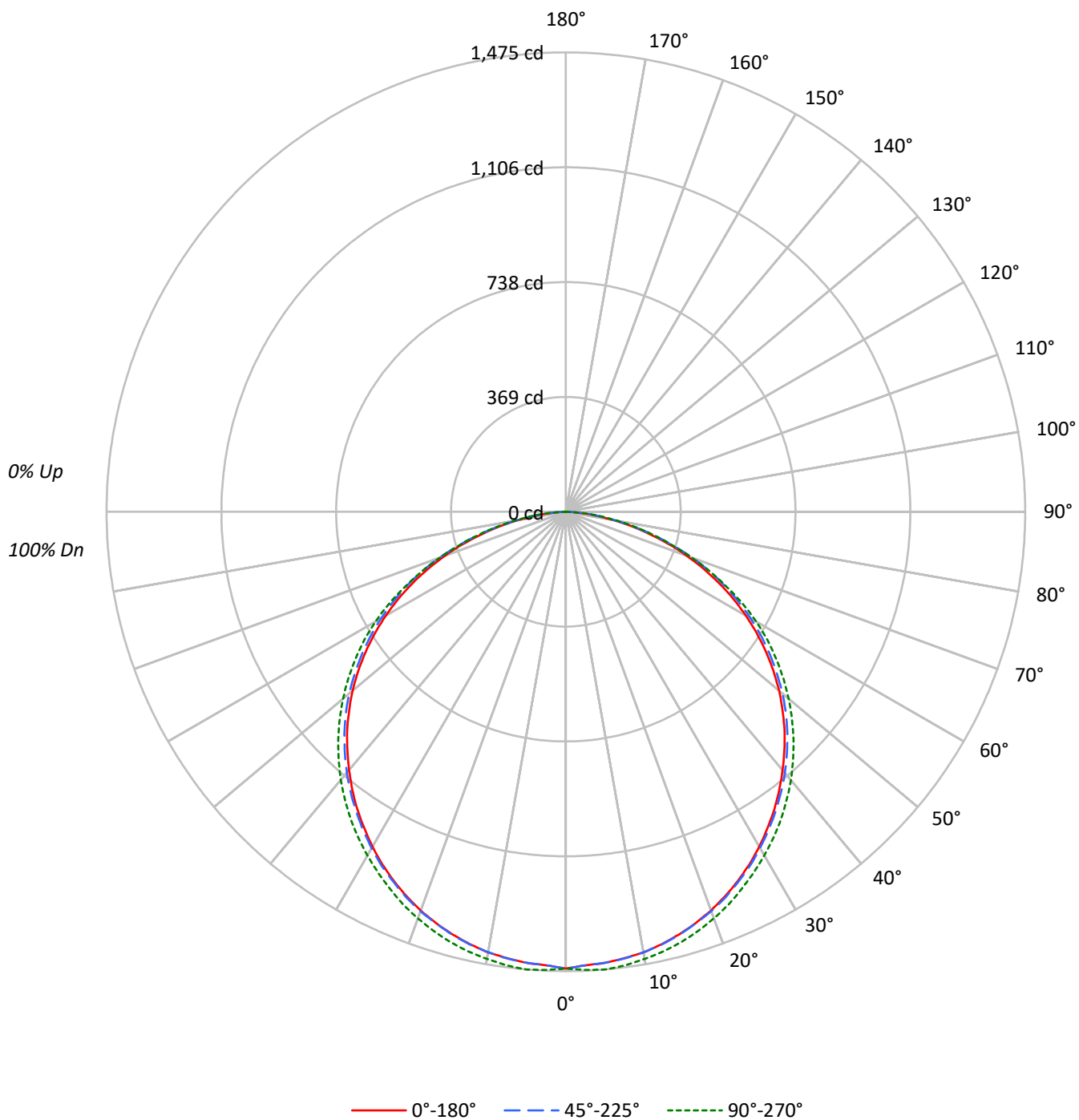
Lumens per Lamp: N/A
Luminaire Lumens: 4328.0 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 32.8
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
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°	4942	4942	4942
5°	4918	4916	4990
10°	4916	4914	4989
15°	4901	4906	4991
20°	4886	4895	4983
25°	4861	4874	4967
30°	4832	4853	4959
35°	4801	4830	4956
40°	4763	4813	4947
45°	4734	4794	4926
50°	4686	4759	4895
55°	4613	4699	4847
60°	4502	4618	4761
65°	4333	4497	4544
70°	4074	4264	4237
75°	3658	3813	3839
80°	3021	3177	3343
85°	2026	2358	2486

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4926 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.2
10°-20°	399.5	9.2
20°-30°	608.4	14.1
30°-40°	740.5	17.1
40°-50°	780.6	18.0
50°-60°	719.0	16.6
60°-70°	555.3	12.8
70°-80°	310.7	7.2
80°-90°	74.9	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°	1147.0	26.5
0°-40°	1887.4	43.6
0°-60°	3387.1	78.3
0°-90°	4328.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4328.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1454	1475	1453	1455	1475	138
15°	1405	1424	1406	1414	1431	397
25°	1308	1326	1311	1320	1336	603
35°	1167	1184	1174	1189	1205	730
45°	993	1007	1006	1021	1034	765
55°	785	799	800	816	825	701
65°	543	559	564	569	570	537
75°	281	298	293	292	295	298
85°	52	58	61	68	64	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1466.6	1466.6	1466.6	1466.6	1466.6
2.5°	1457.3	1478.5	1457.3	1460.6	1472.6
5°	1454.0	1474.6	1453.3	1455.3	1475.2
7.5°	1445.4	1466.6	1446.7	1449.4	1468.6
10°	1436.8	1456.0	1436.1	1439.4	1458.0
12.5°	1422.2	1442.1	1423.5	1427.5	1446.1
15°	1405.0	1424.2	1406.3	1414.2	1430.8
17.5°	1385.1	1403.6	1386.4	1395.7	1411.6
20°	1362.6	1380.4	1365.2	1371.8	1389.7
22.5°	1336.0	1354.6	1340.0	1346.0	1365.2
25°	1307.5	1326.1	1310.9	1319.5	1336.0
27.5°	1276.4	1294.3	1281.0	1291.6	1306.2
30°	1241.9	1259.2	1247.2	1259.8	1274.4
32.5°	1204.8	1223.4	1211.5	1226.0	1240.6
35°	1167.1	1184.3	1174.3	1188.9	1204.8
37.5°	1126.0	1142.5	1135.2	1150.5	1165.1
40°	1082.9	1101.4	1094.2	1110.1	1124.6
42.5°	1038.5	1056.4	1050.4	1067.0	1079.6
45°	993.4	1007.3	1006.0	1021.3	1033.8
47.5°	943.7	960.9	958.3	973.5	984.8
50°	894.0	907.9	907.9	922.5	933.8
52.5°	840.3	854.2	854.2	871.5	880.8
55°	785.3	798.6	799.9	816.5	825.1
57.5°	727.0	740.9	743.6	760.1	768.1
60°	668.0	681.3	685.3	701.8	706.5
62.5°	606.4	622.3	624.3	637.5	640.2
65°	543.4	559.3	564.0	569.3	569.9
67.5°	479.1	495.7	500.4	500.4	500.4
70°	413.5	428.8	432.8	430.1	430.1
72.5°	347.3	363.8	361.8	359.2	360.5
75°	281.0	298.2	292.9	292.3	294.9
77.5°	217.4	233.9	225.3	230.6	231.3
80°	155.7	168.3	163.7	171.6	172.3
82.5°	100.1	108.0	109.3	116.0	114.0
85°	52.4	57.7	61.0	68.3	64.3
87.5°	16.6	21.9	19.9	23.2	17.9
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	17.59	19.24	17.95	19.56	19.87	17.80	19.46	18.17	19.77	20.09
	3H	19.41	20.91	19.78	21.23	21.59	19.60	21.10	19.98	21.43	21.79
	4H	20.05	21.47	20.45	21.81	22.19	20.24	21.65	20.64	22.00	22.37
	6H	20.48	21.79	20.89	22.15	22.55	20.69	22.00	21.10	22.37	22.76
	8H	20.59	21.84	21.01	22.23	22.63	20.83	22.08	21.25	22.47	22.86
	12H	20.64	21.84	21.07	22.22	22.65	20.90	22.10	21.33	22.48	22.91
4H	2H	18.27	19.68	18.66	20.02	20.40	18.43	19.85	18.83	20.19	20.57
	3H	20.31	21.49	20.71	21.89	22.29	20.45	21.63	20.86	22.03	22.43
	4H	21.09	22.16	21.52	22.57	23.01	21.21	22.28	21.64	22.69	23.13
	6H	21.64	22.57	22.09	23.01	23.47	21.78	22.72	22.23	23.16	23.61
	8H	21.78	22.66	22.24	23.10	23.57	21.96	22.83	22.41	23.27	23.74
	12H	21.87	22.65	22.34	23.13	23.60	22.07	22.86	22.55	23.33	23.80
8H	4H	21.39	22.27	21.85	22.71	23.18	21.50	22.38	21.96	22.82	23.28
	6H	22.05	22.78	22.54	23.27	23.74	22.18	22.91	22.68	23.40	23.87
	8H	22.26	22.91	22.77	23.42	23.90	22.42	23.08	22.93	23.58	24.07
	12H	22.39	22.97	22.90	23.46	24.02	22.60	23.18	23.10	23.67	24.23
12H	4H	21.42	22.21	21.90	22.69	23.16	21.53	22.32	22.01	22.79	23.26
	6H	22.10	22.75	22.61	23.26	23.74	22.22	22.88	22.73	23.38	23.87
	8H	22.35	22.93	22.86	23.42	23.98	22.51	23.09	23.02	23.58	24.14