

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: P1585721

Luminaire Tested: 14CZSP-SB-47-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585721
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-47-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 4000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

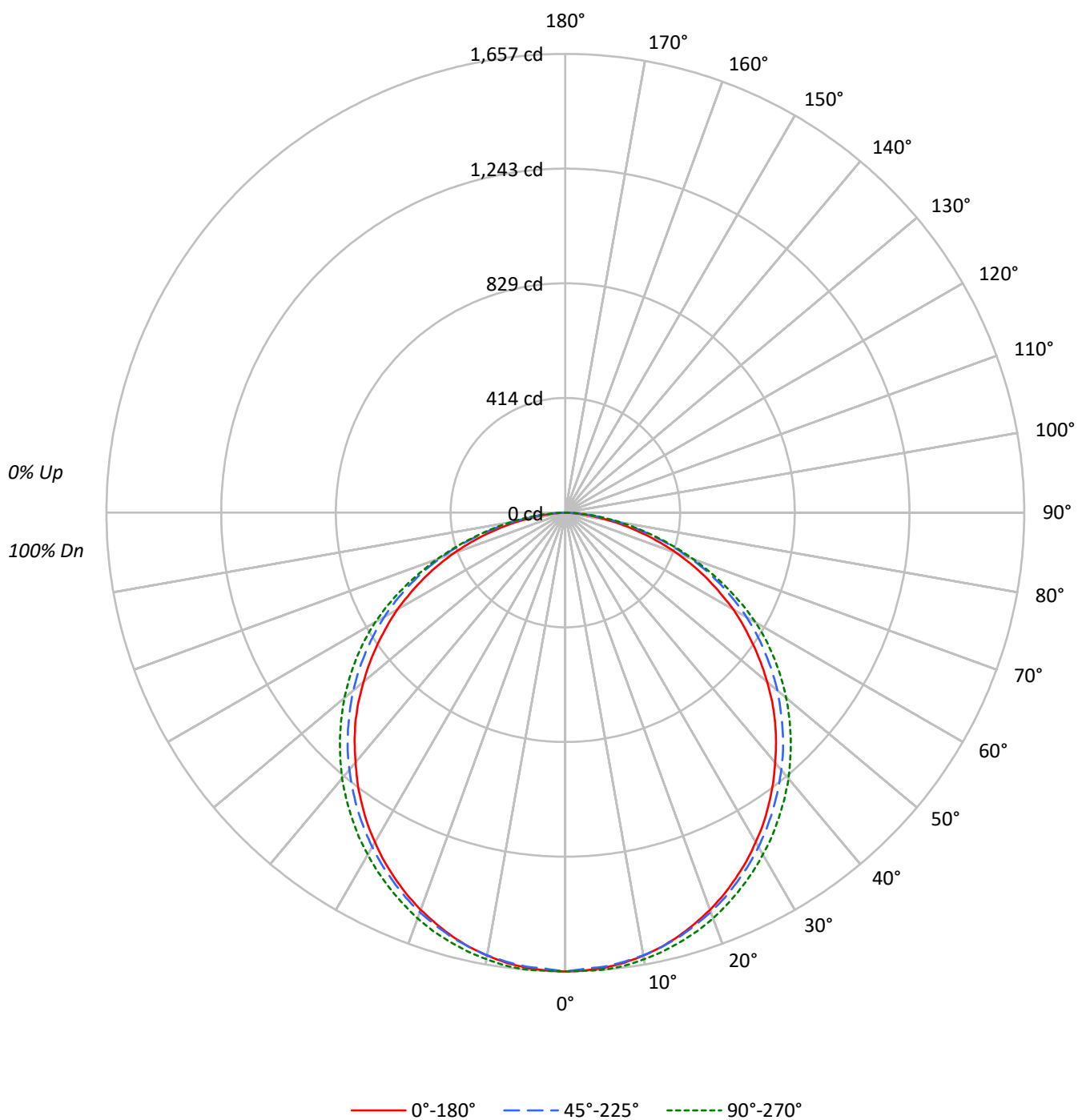
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4788.0 lumens
Efficiency: N/A
Efficacy: 146.0 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): 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			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°	5584	5584	5584
5°	5580	5566	5603
10°	5560	5555	5605
15°	5524	5536	5601
20°	5476	5507	5592
25°	5416	5467	5569
30°	5348	5426	5550
35°	5274	5382	5529
40°	5182	5336	5515
45°	5107	5288	5485
50°	4986	5239	5459
55°	4858	5170	5417
60°	4727	5094	5345
65°	4514	4960	5142
70°	4213	4736	4851
75°	3753	4292	4417
80°	3064	3720	3908
85°	2026	2961	3174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 5485 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	3.3
10°-20°	449.6	9.4
20°-30°	680.8	14.2
30°-40°	821.7	17.2
40°-50°	858.1	17.9
50°-60°	785.0	16.4
60°-70°	606.9	12.7
70°-80°	343.6	7.2
80°-90°	85.4	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°	1287.4	26.9
0°-40°	2109.1	44.0
0°-60°	3752.2	78.4
0°-90°	4788.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4788.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1657	1657	1657	1657	1657	
5°	1650	1662	1646	1647	1657	157
15°	1584	1597	1587	1595	1606	447
25°	1457	1475	1470	1484	1498	671
35°	1282	1300	1308	1330	1344	802
45°	1072	1092	1110	1138	1151	825
55°	827	852	880	908	922	739
65°	566	590	622	641	645	559
75°	288	313	330	338	339	306
85°	52	61	77	80	82	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1657.3	1657.3	1657.3	1657.3	1657.3
2.5°	1655.3	1667.0	1649.1	1652.5	1656.0
5°	1649.7	1661.5	1645.6	1647.0	1656.6
7.5°	1639.4	1652.5	1635.9	1638.7	1650.4
10°	1624.9	1638.0	1623.5	1626.3	1638.0
12.5°	1606.3	1619.4	1607.0	1611.1	1624.2
15°	1583.5	1597.3	1587.0	1594.6	1605.6
17.5°	1555.9	1573.2	1562.2	1573.9	1584.9
20°	1527.0	1544.2	1535.9	1546.3	1559.4
22.5°	1493.9	1511.1	1504.9	1515.9	1530.4
25°	1456.6	1475.3	1470.4	1484.2	1498.0
27.5°	1418.0	1435.9	1434.6	1449.7	1464.2
30°	1374.6	1393.9	1394.6	1412.5	1426.3
32.5°	1331.1	1348.3	1352.5	1372.5	1388.3
35°	1282.1	1300.1	1308.3	1330.4	1344.2
37.5°	1232.5	1252.5	1261.4	1285.6	1300.1
40°	1178.0	1200.8	1213.2	1238.7	1253.9
42.5°	1126.3	1147.0	1163.5	1189.0	1202.8
45°	1071.8	1092.5	1109.7	1138.0	1151.1
47.5°	1013.2	1035.9	1054.5	1082.1	1096.6
50°	951.1	975.9	999.4	1026.3	1041.4
52.5°	889.7	913.8	940.7	966.9	982.1
55°	826.9	851.8	880.0	907.6	922.1
57.5°	763.5	788.3	819.4	844.2	859.4
60°	701.4	724.2	755.9	780.7	793.1
62.5°	631.1	657.3	689.7	714.5	721.4
65°	566.2	589.7	622.1	640.7	644.9
67.5°	497.3	520.7	553.1	563.5	569.7
70°	427.6	452.4	480.7	487.6	492.4
72.5°	357.3	382.8	404.8	411.7	415.9
75°	288.3	313.1	329.7	337.9	339.3
77.5°	221.4	244.2	259.3	269.0	269.0
80°	157.9	175.2	191.7	202.1	201.4
82.5°	100.7	113.8	131.0	138.6	143.5
85°	52.4	60.7	76.6	80.0	82.1
87.5°	16.6	21.4	27.6	22.8	22.1
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	17.66	19.31	18.02	19.62	19.93	18.20	19.85	18.56	20.16	20.48
	3H	19.43	20.92	19.81	21.25	21.61	20.06	21.55	20.43	21.88	22.24
	4H	20.05	21.46	20.45	21.81	22.18	20.73	22.14	21.13	22.48	22.86
	6H	20.46	21.76	20.87	22.13	22.52	21.21	22.52	21.62	22.88	23.27
	8H	20.56	21.81	20.98	22.19	22.59	21.37	22.62	21.79	23.01	23.41
	12H	20.61	21.80	21.04	22.18	22.61	21.47	22.66	21.90	23.05	23.47
4H	2H	18.39	19.80	18.79	20.15	20.53	18.82	20.22	19.21	20.57	20.95
	3H	20.39	21.57	20.80	21.97	22.37	20.89	22.08	21.30	22.47	22.87
	4H	21.14	22.21	21.57	22.62	23.05	21.70	22.77	22.13	23.18	23.61
	6H	21.66	22.59	22.11	23.03	23.48	22.31	23.25	22.76	23.69	24.14
	8H	21.79	22.67	22.25	23.11	23.57	22.51	23.39	22.97	23.83	24.30
	12H	21.87	22.65	22.35	23.13	23.60	22.65	23.44	23.13	23.91	24.38
8H	4H	21.49	22.37	21.95	22.81	23.27	21.99	22.86	22.45	23.30	23.77
	6H	22.12	22.85	22.62	23.34	23.81	22.72	23.45	23.21	23.93	24.41
	8H	22.32	22.97	22.83	23.48	23.96	22.99	23.64	23.50	24.15	24.63
	12H	22.44	23.02	22.95	23.51	24.07	23.20	23.77	23.70	24.26	24.82
12H	4H	21.53	22.32	22.01	22.79	23.26	22.01	22.80	22.49	23.27	23.74
	6H	22.19	22.84	22.70	23.35	23.83	22.76	23.41	23.27	23.92	24.40
	8H	22.44	23.01	22.94	23.50	24.06	23.09	23.66	23.59	24.15	24.71

END OF REPORT