

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: P1585712

Luminaire Tested: 14CZSP-SB-47-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585712
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-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 80CRI, Smooth Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

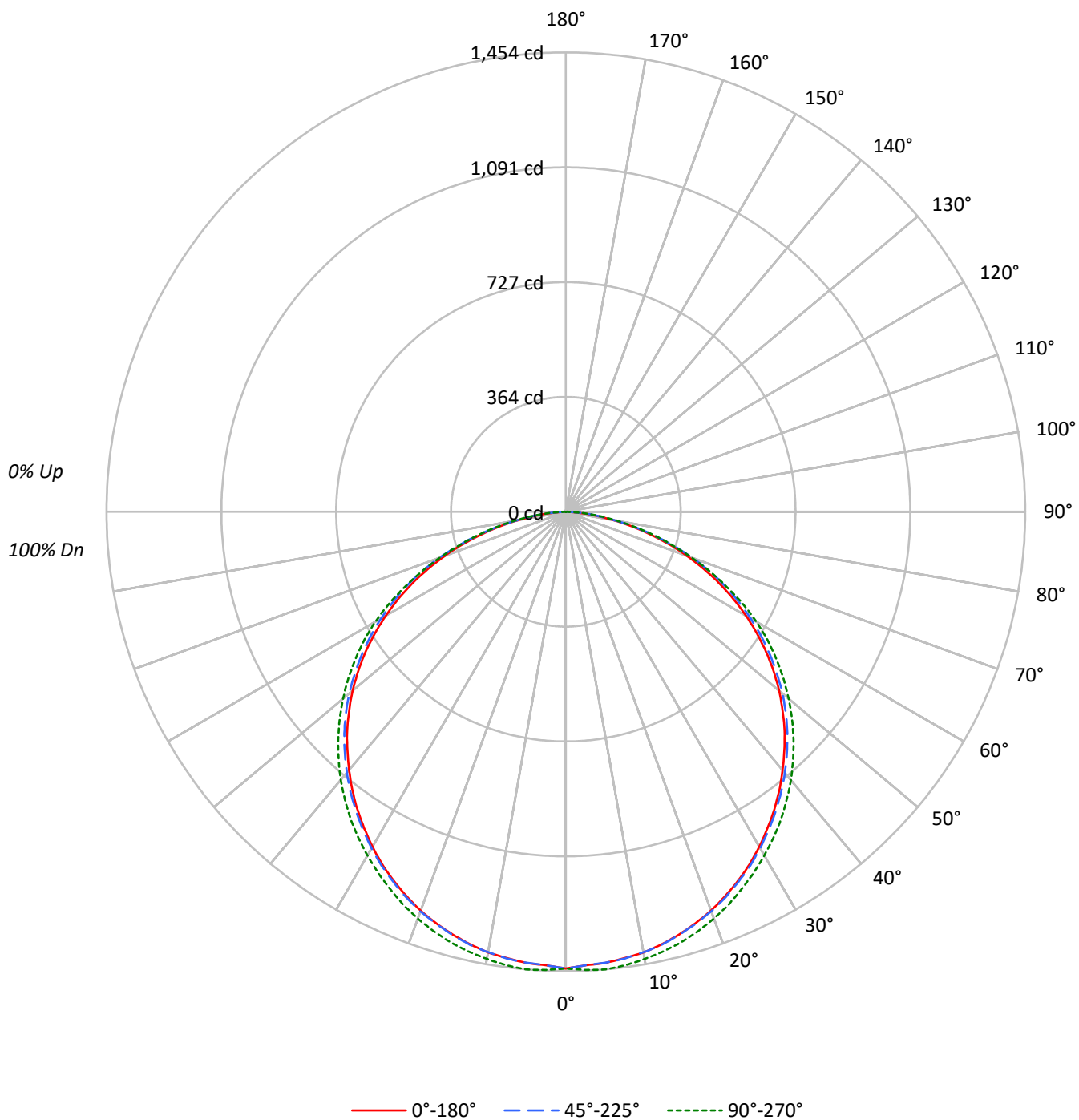
Lumens per Lamp: N/A
Luminaire Lumens: 4267.0 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.39
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	99	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	77	96	88	82	77	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		61	56	52	49
5	75	62	53	46	73	61	53	46	59	51	46		57	50	45		55	49	45	43
6	70	56	47	40	68	55	46	40	53	46	40		52	45	40		50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35		47	40	35		46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31		43	36	31		42	36	31	29
9	56	42	34	28	55	42	34	28	41	33	28		40	33	28		39	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26		37	30	25		36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4872	4872	4872
5°	4849	4847	4919
10°	4847	4845	4918
15°	4832	4837	4921
20°	4817	4827	4913
25°	4793	4805	4897
30°	4764	4785	4888
35°	4733	4763	4886
40°	4696	4745	4877
45°	4667	4726	4857
50°	4620	4692	4826
55°	4549	4633	4779
60°	4438	4553	4694
65°	4272	4433	4480
70°	4017	4204	4177
75°	3606	3760	3786
80°	2979	3132	3297
85°	1995	2324	2451

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4857 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.0	3.2
10°-20°	393.9	9.2
20°-30°	599.9	14.1
30°-40°	730.0	17.1
40°-50°	769.6	18.0
50°-60°	708.9	16.6
60°-70°	547.5	12.8
70°-80°	306.3	7.2
80°-90°	73.8	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°	1130.8	26.5
0°-40°	1860.9	43.6
0°-60°	3339.3	78.3
0°-90°	4267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1434	1454	1433	1435	1454	136
15°	1385	1404	1386	1394	1411	391
25°	1289	1307	1292	1301	1317	594
35°	1151	1168	1158	1172	1188	720
45°	979	993	992	1007	1019	755
55°	774	787	789	805	814	691
65°	536	552	556	561	562	529
75°	277	294	289	288	291	294
85°	52	57	60	67	63	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.9	1445.9	1445.9	1445.9	1445.9
2.5°	1436.8	1457.7	1436.8	1440.0	1451.8
5°	1433.5	1453.8	1432.9	1434.8	1454.4
7.5°	1425.0	1445.9	1426.3	1428.9	1447.9
10°	1416.5	1435.5	1415.9	1419.1	1437.4
12.5°	1402.2	1421.8	1403.5	1407.4	1425.7
15°	1385.2	1404.1	1386.5	1394.3	1410.6
17.5°	1365.6	1383.9	1366.9	1376.0	1391.7
20°	1343.3	1361.0	1346.0	1352.5	1370.1
22.5°	1317.2	1335.5	1321.1	1327.0	1346.0
25°	1289.1	1307.4	1292.4	1300.9	1317.2
27.5°	1258.4	1276.1	1263.0	1273.4	1287.8
30°	1224.4	1241.4	1229.7	1242.1	1256.4
32.5°	1187.8	1206.1	1194.4	1208.8	1223.1
35°	1150.6	1167.6	1157.8	1172.2	1187.8
37.5°	1110.1	1126.4	1119.2	1134.3	1148.6
40°	1067.6	1085.9	1078.7	1094.4	1108.8
42.5°	1023.8	1041.5	1035.6	1051.9	1064.4
45°	979.4	993.1	991.8	1006.9	1019.3
47.5°	930.4	947.4	944.8	959.8	970.9
50°	881.4	895.1	895.1	909.5	920.6
52.5°	828.5	842.2	842.2	859.2	868.3
55°	774.3	787.3	788.6	805.0	813.5
57.5°	716.8	730.5	733.1	749.4	757.3
60°	658.6	671.7	675.6	691.9	696.5
62.5°	597.8	613.5	615.5	628.6	631.2
65°	535.8	551.5	556.0	561.3	561.9
67.5°	472.4	488.7	493.3	493.3	493.3
70°	407.7	422.7	426.7	424.0	424.0
72.5°	342.4	358.7	356.7	354.1	355.4
75°	277.0	294.0	288.8	288.1	290.8
77.5°	214.3	230.6	222.1	227.4	228.0
80°	153.5	166.0	161.4	169.2	169.9
82.5°	98.7	106.5	107.8	114.3	112.4
85°	51.6	56.8	60.1	67.3	63.4
87.5°	16.3	21.6	19.6	22.9	17.6
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	17.54	19.19	17.90	19.51	19.82	17.75	19.41	18.12	19.72	20.04
	3H	19.36	20.86	19.73	21.18	21.54	19.55	21.05	19.93	21.38	21.74
	4H	20.00	21.42	20.40	21.76	22.14	20.19	21.60	20.59	21.95	22.33
	6H	20.43	21.74	20.84	22.11	22.50	20.64	21.95	21.05	22.32	22.71
	8H	20.54	21.79	20.97	22.18	22.58	20.78	22.03	21.20	22.42	22.81
	12H	20.59	21.79	21.02	22.18	22.60	20.85	22.05	21.28	22.43	22.86
4H	2H	18.22	19.63	18.61	19.98	20.35	18.39	19.80	18.78	20.14	20.52
	3H	20.26	21.44	20.67	21.84	22.24	20.40	21.58	20.81	21.98	22.38
	4H	21.04	22.11	21.47	22.52	22.96	21.16	22.23	21.59	22.64	23.08
	6H	21.59	22.52	22.04	22.96	23.42	21.73	22.67	22.18	23.11	23.56
	8H	21.73	22.61	22.19	23.05	23.52	21.91	22.78	22.37	23.23	23.69
	12H	21.82	22.60	22.30	23.08	23.55	22.02	22.81	22.50	23.28	23.75
8H	4H	21.34	22.22	21.80	22.66	23.13	21.45	22.33	21.91	22.77	23.24
	6H	22.00	22.73	22.50	23.22	23.69	22.13	22.86	22.63	23.35	23.82
	8H	22.21	22.86	22.72	23.37	23.85	22.37	23.03	22.88	23.53	24.02
	12H	22.34	22.92	22.85	23.41	23.97	22.55	23.13	23.06	23.62	24.18
12H	4H	21.37	22.16	21.85	22.64	23.11	21.48	22.27	21.96	22.74	23.21
	6H	22.05	22.70	22.56	23.21	23.69	22.17	22.83	22.68	23.34	23.82
	8H	22.30	22.88	22.81	23.37	23.93	22.47	23.04	22.97	23.53	24.09