

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: P1585693

Luminaire Tested: 14CZSP-SB-43HE-L830

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585693
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-43HE-L830
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 4000 lumens, 80CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

Summary

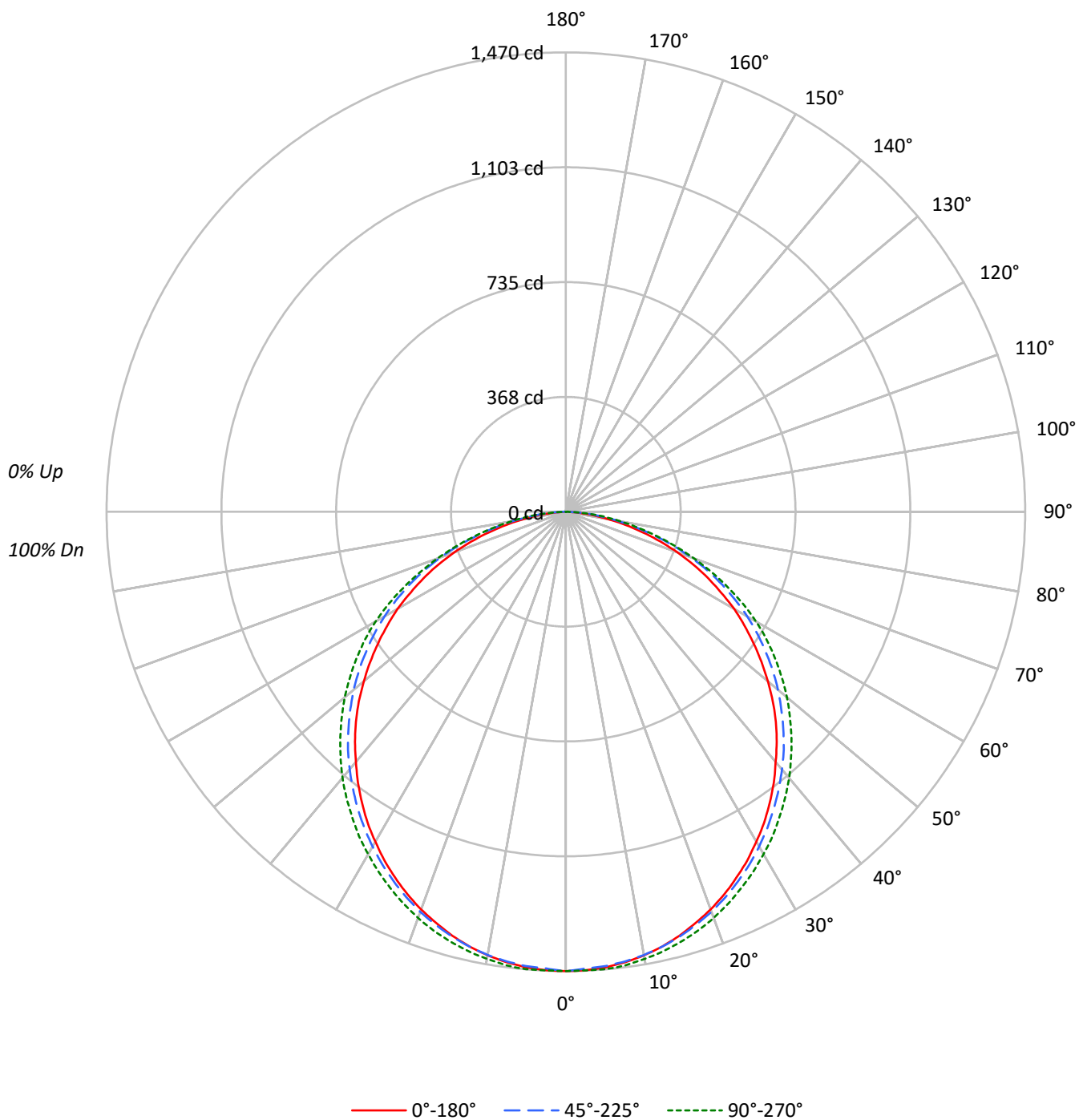
Lumens per Lamp: N/A
Luminaire Lumens: 4247.0 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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°	4954	4954	4954
5°	4950	4937	4971
10°	4931	4927	4971
15°	4900	4911	4968
20°	4857	4885	4960
25°	4804	4849	4940
30°	4744	4813	4922
35°	4678	4774	4905
40°	4596	4733	4892
45°	4530	4690	4865
50°	4422	4647	4843
55°	4309	4586	4805
60°	4193	4519	4741
65°	4005	4400	4561
70°	3737	4201	4303
75°	3329	3807	3919
80°	2719	3301	3466
85°	1798	2625	2815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4865 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	3.3
10°-20°	398.8	9.4
20°-30°	603.8	14.2
30°-40°	728.9	17.2
40°-50°	761.2	17.9
50°-60°	696.3	16.4
60°-70°	538.3	12.7
70°-80°	304.7	7.2
80°-90°	75.7	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°	1141.9	26.9
0°-40°	1870.8	44.0
0°-60°	3328.2	78.4
0°-90°	4247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1470	1470	1470	1470	1470	
5°	1463	1474	1460	1461	1470	139
15°	1405	1417	1408	1414	1424	396
25°	1292	1309	1304	1316	1329	595
35°	1137	1153	1160	1180	1192	711
45°	951	969	984	1009	1021	732
55°	734	756	781	805	818	656
65°	502	523	552	568	572	496
75°	256	278	292	300	301	271
85°	46	54	68	71	73	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1470.1	1470.1	1470.1	1470.1	1470.1
2.5°	1468.2	1478.6	1462.7	1465.8	1468.8
5°	1463.3	1473.7	1459.7	1460.9	1469.5
7.5°	1454.2	1465.8	1451.1	1453.5	1463.9
10°	1441.3	1452.9	1440.1	1442.5	1452.9
12.5°	1424.8	1436.4	1425.4	1429.1	1440.7
15°	1404.6	1416.8	1407.7	1414.4	1424.2
17.5°	1380.1	1395.4	1385.6	1396.0	1405.8
20°	1354.4	1369.7	1362.4	1371.6	1383.2
22.5°	1325.1	1340.4	1334.9	1344.7	1357.5
25°	1292.0	1308.6	1304.3	1316.5	1328.7
27.5°	1257.8	1273.7	1272.5	1285.9	1298.8
30°	1219.2	1236.4	1237.0	1252.9	1265.1
32.5°	1180.7	1196.0	1199.7	1217.4	1231.5
35°	1137.3	1153.2	1160.5	1180.1	1192.3
37.5°	1093.2	1111.0	1118.9	1140.3	1153.2
40°	1044.9	1065.1	1076.1	1098.7	1112.2
42.5°	999.0	1017.4	1032.0	1054.7	1066.9
45°	950.7	969.0	984.3	1009.4	1021.0
47.5°	898.7	918.9	935.4	959.9	972.7
50°	843.6	865.6	886.4	910.3	923.8
52.5°	789.2	810.6	834.4	857.7	871.2
55°	733.5	755.5	780.6	805.1	817.9
57.5°	677.2	699.2	726.8	748.8	762.3
60°	622.2	642.4	670.5	692.5	703.5
62.5°	559.8	583.0	611.8	633.8	639.9
65°	502.3	523.1	551.8	568.3	572.0
67.5°	441.1	461.9	490.6	499.8	505.3
70°	379.3	401.3	426.4	432.5	436.8
72.5°	316.9	339.5	359.1	365.2	368.9
75°	255.7	277.7	292.4	299.8	301.0
77.5°	196.4	216.6	230.0	238.6	238.6
80°	140.1	155.4	170.1	179.2	178.6
82.5°	89.3	100.9	116.2	123.0	127.2
85°	46.5	53.8	67.9	71.0	72.8
87.5°	14.7	19.0	24.5	20.2	19.6
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	17.24	18.89	17.60	19.20	19.52	17.78	19.43	18.15	19.75	20.06
	3H	19.01	20.51	19.39	20.83	21.19	19.64	21.13	20.02	21.46	21.82
	4H	19.64	21.04	20.03	21.39	21.77	20.31	21.72	20.71	22.07	22.44
	6H	20.04	21.35	20.45	21.71	22.10	20.80	22.10	21.21	22.47	22.86
	8H	20.14	21.39	20.57	21.78	22.18	20.95	22.20	21.38	22.59	22.99
	12H	20.19	21.39	20.62	21.77	22.20	21.05	22.25	21.48	22.63	23.06
4H	2H	17.98	19.39	18.38	19.73	20.11	18.40	19.81	18.80	20.16	20.53
	3H	19.97	21.15	20.38	21.55	21.95	20.48	21.66	20.89	22.06	22.46
	4H	20.72	21.79	21.15	22.20	22.64	21.28	22.35	21.71	22.76	23.20
	6H	21.24	22.17	21.69	22.61	23.07	21.89	22.83	22.35	23.27	23.72
	8H	21.37	22.25	21.83	22.69	23.16	22.10	22.97	22.56	23.41	23.88
	12H	21.45	22.24	21.93	22.71	23.18	22.24	23.02	22.72	23.50	23.97
8H	4H	21.07	21.95	21.53	22.39	22.86	21.57	22.44	22.03	22.89	23.35
	6H	21.71	22.43	22.20	22.92	23.40	22.30	23.03	22.79	23.52	23.99
	8H	21.90	22.55	22.41	23.06	23.54	22.57	23.23	23.08	23.73	24.22
	12H	22.03	22.60	22.53	23.09	23.65	22.78	23.36	23.29	23.85	24.41
12H	4H	21.12	21.90	21.60	22.38	22.85	21.59	22.38	22.07	22.86	23.32
	6H	21.77	22.43	22.28	22.93	23.42	22.34	23.00	22.85	23.50	23.99
	8H	22.02	22.60	22.53	23.09	23.65	22.67	23.25	23.18	23.74	24.30