

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: P1584572

Luminaire Tested: 14CZSP-A-42-L830-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-42-L830-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 80CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

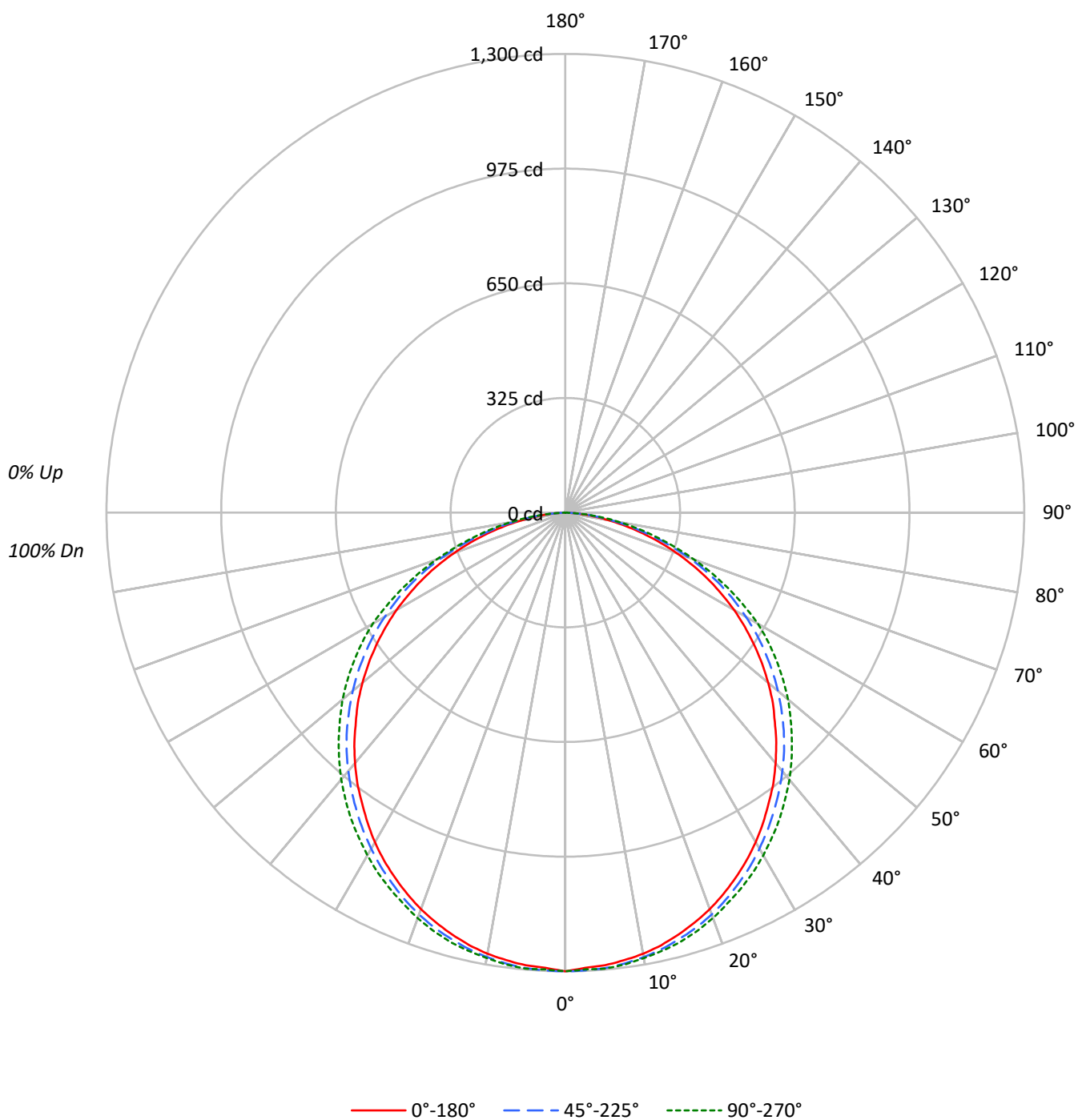
Lumens per Lamp: N/A
Luminaire Lumens: 3758.0 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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	100	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	35		47	40	35		46
8	60	46	38	32	59	46	38	32	44	37	32		43	36	31		42
9	56	43	34	29	55	42	34	29	41	34	28		40	33	28		39
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4380	4380	4380
5°	4356	4384	4387
10°	4344	4376	4385
15°	4318	4363	4394
20°	4288	4346	4385
25°	4245	4312	4372
30°	4197	4279	4362
35°	4130	4241	4355
40°	4075	4207	4343
45°	3999	4170	4325
50°	3932	4120	4317
55°	3838	4062	4290
60°	3720	3981	4246
65°	3554	3873	4071
70°	3313	3657	3821
75°	2959	3298	3485
80°	2426	2781	3048
85°	1624	2030	2266

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	3.3
10°-20°	352.9	9.4
20°-30°	534.4	14.2
30°-40°	645.4	17.2
40°-50°	674.5	17.9
50°-60°	618.0	16.4
60°-70°	477.1	12.7
70°-80°	268.4	7.1
80°-90°	64.2	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°	1010.5	26.9
0°-40°	1655.8	44.1
0°-60°	2948.4	78.5
0°-90°	3758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1288	1297	1296	1297	1297	122
15°	1238	1248	1251	1256	1260	349
25°	1142	1152	1160	1166	1176	526
35°	1004	1017	1031	1045	1059	629
45°	839	856	875	893	908	648
55°	653	670	691	713	730	584
65°	446	465	486	505	511	440
75°	227	248	253	264	268	241
85°	42	48	52	58	59	54
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.9	1299.9	1299.9	1299.9	1299.9
2.5°	1291.0	1301.0	1298.8	1302.1	1296.0
5°	1287.7	1297.1	1296.0	1297.1	1297.1
7.5°	1279.4	1289.4	1288.8	1290.5	1291.6
10°	1269.5	1278.9	1278.9	1280.5	1281.6
12.5°	1255.6	1265.6	1266.7	1269.5	1271.7
15°	1237.9	1247.9	1250.7	1255.6	1259.5
17.5°	1218.0	1228.5	1233.0	1237.9	1242.9
20°	1195.9	1205.3	1211.9	1215.8	1223.0
22.5°	1169.9	1180.4	1187.6	1191.5	1199.2
25°	1141.7	1151.7	1159.9	1166.0	1176.0
27.5°	1111.8	1121.8	1131.7	1138.9	1150.5
30°	1078.6	1089.1	1099.7	1110.7	1121.2
32.5°	1042.7	1054.9	1066.5	1078.6	1090.3
35°	1004.0	1016.7	1031.1	1044.9	1058.7
37.5°	968.0	979.6	994.6	1009.5	1023.3
40°	926.5	939.2	956.4	973.0	987.4
42.5°	884.5	898.3	917.1	933.2	948.6
45°	839.1	855.7	875.1	892.8	907.7
47.5°	797.1	811.5	830.8	850.2	865.7
50°	750.1	766.1	786.0	806.5	823.6
52.5°	702.5	719.1	739.6	760.0	777.7
55°	653.3	670.4	691.4	713.0	730.2
57.5°	602.9	621.2	642.8	664.3	681.5
60°	552.0	570.3	590.8	614.5	630.0
62.5°	498.9	519.4	538.8	560.9	570.3
65°	445.8	465.2	485.7	505.0	510.6
67.5°	391.6	411.5	429.8	442.5	449.7
70°	336.3	357.9	371.2	383.3	387.8
72.5°	281.6	303.1	310.9	322.5	326.9
75°	227.3	248.4	253.3	263.9	267.7
77.5°	174.8	194.2	195.8	208.0	211.3
80°	125.0	140.5	143.3	154.9	157.1
82.5°	80.2	91.3	95.1	105.1	108.4
85°	42.0	48.1	52.5	57.5	58.6
87.5°	13.8	17.1	14.4	14.9	13.8
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	16.84	18.49	17.21	18.81	19.12	17.38	19.03	17.75	19.35	19.66
	3H	18.62	20.11	19.00	20.44	20.80	19.24	20.73	19.62	21.06	21.42
	4H	19.25	20.65	19.64	21.00	21.38	19.91	21.32	20.31	21.66	22.04
	6H	19.65	20.96	20.07	21.32	21.71	20.39	21.69	20.80	22.06	22.45
	8H	19.76	21.00	20.18	21.39	21.79	20.53	21.78	20.96	22.17	22.57
	12H	19.81	21.00	20.24	21.38	21.81	20.62	21.81	21.04	22.19	22.62
4H	2H	17.57	18.98	17.97	19.32	19.70	17.99	19.40	18.39	19.75	20.12
	3H	19.56	20.74	19.97	21.14	21.54	20.06	21.24	20.47	21.64	22.04
	4H	20.32	21.39	20.75	21.80	22.24	20.86	21.93	21.29	22.34	22.78
	6H	20.85	21.78	21.30	22.22	22.68	21.46	22.40	21.91	22.84	23.29
	8H	20.99	21.86	21.45	22.30	22.77	21.65	22.53	22.11	22.97	23.43
	12H	21.07	21.85	21.55	22.33	22.80	21.77	22.56	22.25	23.03	23.50
8H	4H	20.66	21.53	21.12	21.97	22.44	21.13	22.01	21.59	22.45	22.92
	6H	21.30	22.02	21.79	22.51	22.99	21.85	22.57	22.34	23.06	23.54
	8H	21.50	22.15	22.01	22.65	23.14	22.10	22.76	22.61	23.26	23.75
	12H	21.63	22.20	22.13	22.69	23.25	22.29	22.86	22.79	23.35	23.91
12H	4H	20.69	21.48	21.17	21.96	22.42	21.16	21.94	21.64	22.42	22.89
	6H	21.35	22.01	21.86	22.51	23.00	21.88	22.54	22.39	23.04	23.53
	8H	21.60	22.18	22.11	22.67	23.23	22.19	22.77	22.70	23.26	23.82