

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: P1584305

Luminaire Tested: 14CZSP-43HE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2602-698-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-43HE-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 4000 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

Summary

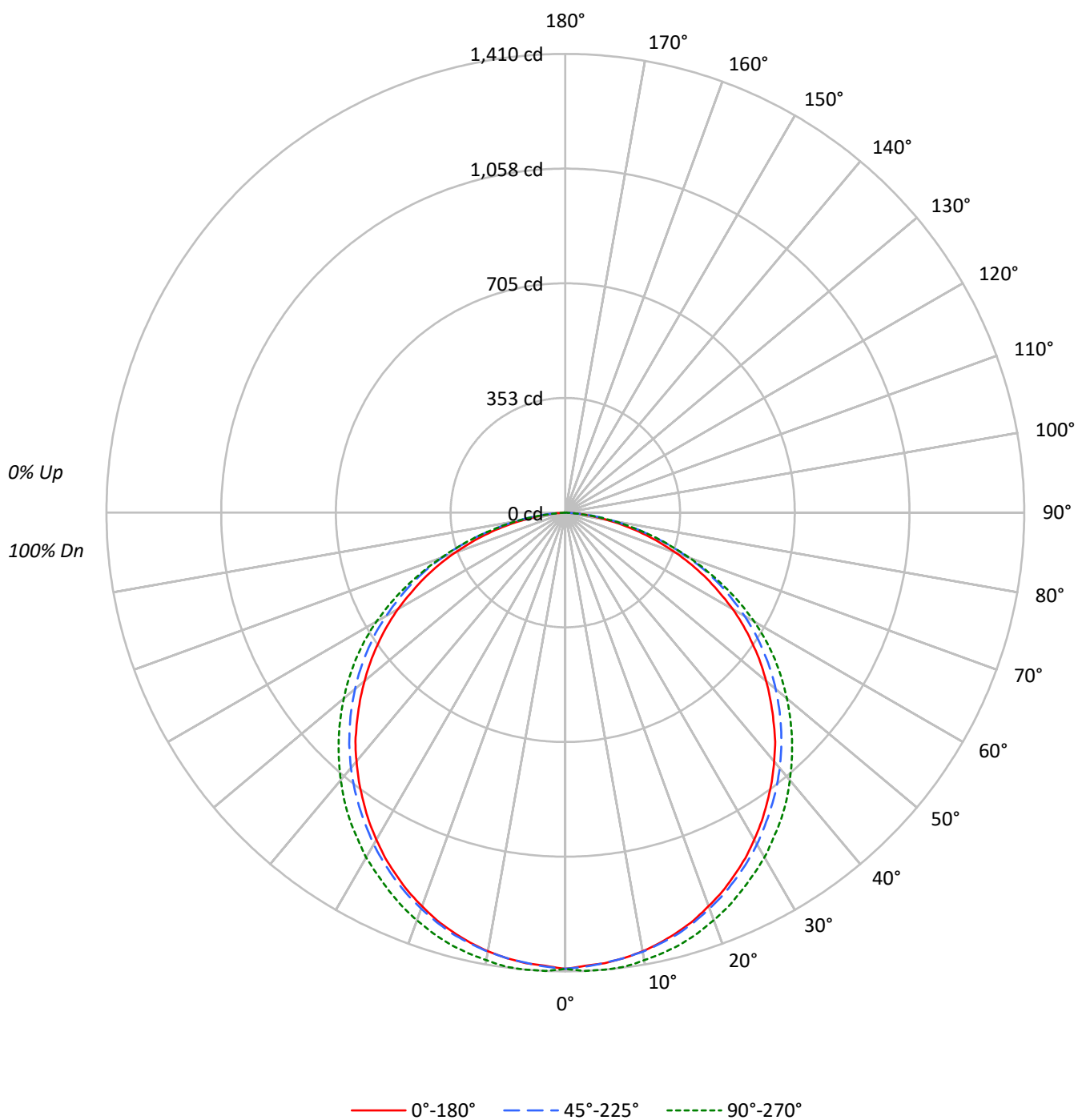
Lumens per Lamp: N/A
Luminaire Lumens: 4039.0 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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
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		94	91	88		90
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	44	37	32		43	36	32		42
9	56	43	34	29	55	42	34	29	41	34	29		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°	4725	4725	4725
5°	4703	4698	4770
10°	4685	4689	4780
15°	4656	4675	4790
20°	4616	4644	4782
25°	4570	4614	4766
30°	4516	4582	4762
35°	4454	4540	4747
40°	4391	4507	4722
45°	4310	4467	4694
50°	4222	4423	4658
55°	4126	4367	4615
60°	4004	4289	4520
65°	3822	4179	4316
70°	3564	3942	4007
75°	3181	3558	3592
80°	2589	2998	2973
85°	1686	2092	1635

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.8	3.3
10°-20°	380.5	9.4
20°-30°	576.4	14.3
30°-40°	696.2	17.2
40°-50°	727.3	18.0
50°-60°	666.0	16.5
60°-70°	511.7	12.7
70°-80°	284.9	7.1
80°-90°	63.1	1.6
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°	1089.7	27.0
0°-40°	1785.9	44.2
0°-60°	3179.2	78.7
0°-90°	4039.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4039.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1402	1402	1402	1402	1402	
5°	1390	1405	1389	1397	1410	132
15°	1335	1348	1340	1353	1373	377
25°	1229	1244	1241	1260	1282	567
35°	1083	1098	1104	1130	1154	678
45°	904	924	937	965	985	698
55°	702	725	743	770	786	628
65°	479	504	524	535	541	474
75°	244	269	273	273	276	259
85°	44	52	54	45	42	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1402.2	1402.2	1402.2	1402.2	1402.2
2.5°	1394.3	1407.5	1396.9	1400.9	1410.1
5°	1390.3	1404.8	1389.0	1396.9	1410.1
7.5°	1381.1	1394.3	1381.1	1390.3	1407.5
10°	1369.2	1383.7	1370.5	1379.7	1396.9
12.5°	1353.3	1365.2	1356.0	1369.2	1386.3
15°	1334.8	1348.0	1340.1	1353.3	1373.1
17.5°	1313.7	1325.6	1319.0	1336.2	1354.6
20°	1287.3	1300.5	1295.2	1312.4	1333.5
22.5°	1260.9	1274.1	1270.1	1287.3	1309.8
25°	1229.2	1243.7	1241.1	1259.6	1282.0
27.5°	1197.5	1212.1	1210.7	1231.9	1253.0
30°	1160.6	1175.1	1177.7	1200.2	1223.9
32.5°	1123.6	1139.4	1140.8	1165.8	1188.3
35°	1082.7	1098.5	1103.8	1130.2	1154.0
37.5°	1041.7	1057.6	1065.5	1090.6	1115.7
40°	998.2	1015.3	1024.6	1051.0	1073.4
42.5°	954.6	971.8	982.3	1008.7	1029.9
45°	904.4	924.2	937.4	965.2	985.0
47.5°	855.6	876.7	891.2	917.6	937.4
50°	805.4	827.8	843.7	870.1	888.6
52.5°	755.2	779.0	794.8	819.9	838.4
55°	702.4	724.9	743.3	769.7	785.6
57.5°	649.6	672.0	691.8	715.6	730.1
60°	594.1	617.9	636.4	660.2	670.7
62.5°	536.1	561.1	579.6	598.1	607.3
65°	479.3	504.4	524.2	534.7	541.3
67.5°	421.2	446.3	464.8	470.0	474.0
70°	361.8	386.9	400.1	402.7	406.7
72.5°	302.4	327.4	338.0	338.0	339.3
75°	244.3	269.3	273.3	273.3	275.9
77.5°	187.5	209.9	212.6	212.6	212.6
80°	133.4	150.5	154.5	154.5	153.2
82.5°	84.5	96.4	103.0	97.7	95.1
85°	43.6	51.5	54.1	44.9	42.3
87.5°	13.2	15.8	13.2	7.9	6.6
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	17.14	18.79	17.50	19.10	19.41	17.65	19.29	18.01	19.61	19.92
	3H	18.91	20.40	19.29	20.73	21.09	19.44	20.93	19.82	21.26	21.62
	4H	19.53	20.94	19.93	21.29	21.66	20.07	21.48	20.47	21.83	22.20
	6H	19.94	21.24	20.35	21.60	21.99	20.50	21.80	20.91	22.16	22.55
	8H	20.04	21.28	20.46	21.67	22.07	20.60	21.84	21.02	22.23	22.63
	12H	20.08	21.27	20.51	21.65	22.08	20.64	21.83	21.07	22.21	22.64
4H	2H	17.86	19.26	18.26	19.61	19.99	18.26	19.66	18.65	20.01	20.38
	3H	19.85	21.03	20.26	21.43	21.83	20.27	21.45	20.68	21.84	22.24
	4H	20.61	21.68	21.04	22.09	22.52	21.02	22.08	21.45	22.50	22.93
	6H	21.13	22.06	21.59	22.50	22.96	21.56	22.49	22.01	22.93	23.38
	8H	21.27	22.14	21.73	22.58	23.04	21.70	22.57	22.16	23.01	23.48
	12H	21.34	22.12	21.82	22.60	23.06	21.77	22.55	22.25	23.02	23.49
8H	4H	20.94	21.81	21.40	22.26	22.72	21.31	22.18	21.77	22.62	23.08
	6H	21.58	22.30	22.07	22.79	23.26	21.95	22.67	22.44	23.16	23.63
	8H	21.77	22.42	22.28	22.92	23.41	22.14	22.79	22.65	23.30	23.78
	12H	21.89	22.46	22.40	22.95	23.51	22.25	22.82	22.75	23.31	23.87
12H	4H	20.97	21.76	21.45	22.23	22.70	21.33	22.11	21.81	22.59	23.06
	6H	21.63	22.28	22.14	22.78	23.27	21.99	22.64	22.50	23.14	23.63
	8H	21.87	22.44	22.38	22.93	23.49	22.23	22.80	22.74	23.29	23.85