

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: P1584285

Luminaire Tested: 14CZSP-42-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2603-724-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-42-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

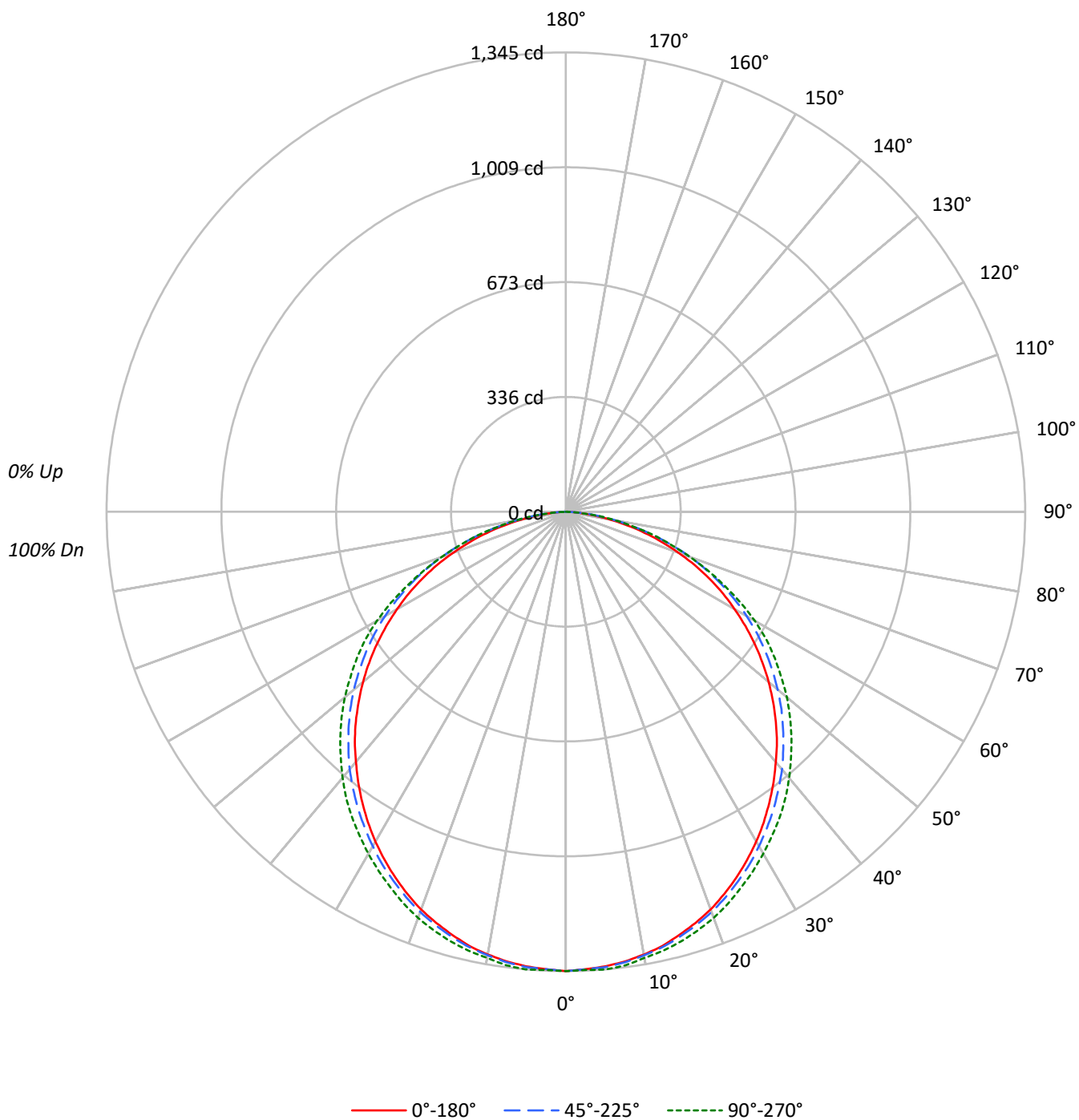
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3881.0 lumens
Efficiency: N/A
Efficacy: 136.2 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			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	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69	65	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	53		62	56	52	50
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	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	59	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	29		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°	4532	4532	4532
5°	4518	4526	4549
10°	4504	4512	4539
15°	4475	4496	4544
20°	4444	4472	4538
25°	4393	4436	4513
30°	4338	4401	4499
35°	4274	4364	4492
40°	4206	4332	4474
45°	4145	4288	4452
50°	4065	4246	4427
55°	3968	4191	4387
60°	3846	4125	4304
65°	3697	4009	4092
70°	3469	3809	3809
75°	3115	3460	3475
80°	2567	2924	2924
85°	1778	2134	1867

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4452 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.4	3.3
10°-20°	364.9	9.4
20°-30°	552.2	14.2
30°-40°	666.7	17.2
40°-50°	696.5	17.9
50°-60°	638.1	16.4
60°-70°	491.9	12.7
70°-80°	277.5	7.2
80°-90°	65.7	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°	1044.5	26.9
0°-40°	1711.2	44.1
0°-60°	3045.8	78.5
0°-90°	3881.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3881.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1345	1345	1345	1345	1345	
5°	1336	1345	1338	1340	1345	127
15°	1283	1291	1289	1299	1302	362
25°	1182	1192	1193	1209	1214	544
35°	1039	1053	1061	1084	1092	650
45°	870	885	900	926	934	670
55°	675	693	713	740	747	603
65°	464	479	503	520	513	458
75°	239	258	266	273	267	254
85°	46	52	55	59	48	58
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1345.0	1345.0	1345.0	1345.0	1345.0
2.5°	1340.4	1349.6	1340.4	1345.0	1342.7
5°	1335.8	1345.0	1338.1	1340.4	1345.0
7.5°	1327.8	1337.0	1330.1	1333.5	1339.3
10°	1316.3	1325.5	1318.6	1324.3	1326.6
12.5°	1302.5	1310.5	1305.9	1312.8	1316.3
15°	1282.9	1291.0	1288.7	1299.0	1302.5
17.5°	1262.2	1271.4	1269.1	1281.7	1285.2
20°	1239.2	1247.2	1247.2	1258.7	1265.6
22.5°	1211.6	1220.8	1221.9	1234.6	1241.5
25°	1181.6	1192.0	1193.2	1209.3	1213.9
27.5°	1149.4	1159.8	1164.4	1181.6	1186.2
30°	1114.9	1125.3	1131.0	1150.6	1156.3
32.5°	1078.1	1090.8	1096.5	1118.4	1124.1
35°	1039.0	1052.8	1060.8	1083.8	1091.9
37.5°	998.7	1012.5	1022.9	1047.0	1056.2
40°	956.1	971.1	984.9	1009.1	1017.1
42.5°	914.7	929.7	942.3	967.6	975.7
45°	869.8	884.8	899.8	926.2	934.3
47.5°	822.7	838.8	856.0	880.2	890.5
50°	775.5	791.6	810.0	835.3	844.5
52.5°	726.0	743.3	761.7	788.1	795.1
55°	675.4	692.6	713.4	739.8	746.7
57.5°	623.6	642.0	663.9	689.2	696.1
60°	570.7	589.1	612.1	636.3	638.6
62.5°	518.9	535.0	558.0	581.0	577.6
65°	463.7	478.6	502.8	520.1	513.2
67.5°	408.5	424.6	446.4	459.1	449.9
70°	352.1	369.3	386.6	395.8	386.6
72.5°	295.7	314.1	326.8	332.5	324.5
75°	239.3	257.7	265.8	272.7	266.9
77.5°	185.2	202.5	206.0	214.0	206.0
80°	132.3	148.4	150.7	158.8	150.7
82.5°	85.1	95.5	100.1	107.0	98.9
85°	46.0	51.8	55.2	58.7	48.3
87.5°	16.1	18.4	16.1	13.8	5.8
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	16.96	18.61	17.33	18.93	19.24	17.51	19.16	17.87	19.47	19.78
	3H	18.75	20.24	19.13	20.57	20.93	19.31	20.81	19.69	21.13	21.49
	4H	19.39	20.80	19.79	21.14	21.52	19.96	21.37	20.36	21.71	22.09
	6H	19.81	21.12	20.22	21.48	21.87	20.40	21.70	20.81	22.07	22.46
	8H	19.92	21.17	20.35	21.56	21.96	20.52	21.77	20.95	22.16	22.55
	12H	19.98	21.17	20.41	21.55	21.98	20.58	21.77	21.01	22.15	22.58
4H	2H	17.69	19.10	18.09	19.44	19.82	18.11	19.52	18.51	19.87	20.24
	3H	19.70	20.88	20.11	21.27	21.67	20.15	21.33	20.56	21.73	22.13
	4H	20.46	21.53	20.89	21.94	22.38	20.93	22.00	21.36	22.41	22.85
	6H	21.01	21.94	21.46	22.38	22.84	21.50	22.43	21.95	22.87	23.33
	8H	21.15	22.03	21.61	22.47	22.93	21.66	22.54	22.12	22.98	23.44
	12H	21.24	22.02	21.72	22.50	22.97	21.76	22.54	22.24	23.02	23.48
8H	4H	20.81	21.68	21.27	22.12	22.59	21.22	22.09	21.68	22.53	23.00
	6H	21.47	22.19	21.96	22.68	23.15	21.90	22.63	22.39	23.11	23.59
	8H	21.67	22.32	22.18	22.83	23.31	22.13	22.78	22.64	23.29	23.78
	12H	21.81	22.38	22.32	22.87	23.43	22.28	22.86	22.79	23.35	23.91
12H	4H	20.84	21.63	21.32	22.10	22.57	21.25	22.03	21.72	22.51	22.97
	6H	21.52	22.17	22.03	22.68	23.16	21.94	22.59	22.45	23.10	23.59
	8H	21.78	22.35	22.29	22.84	23.40	22.23	22.80	22.73	23.29	23.85