

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: P1584275

Luminaire Tested: 14CZSP-42-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584275
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-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

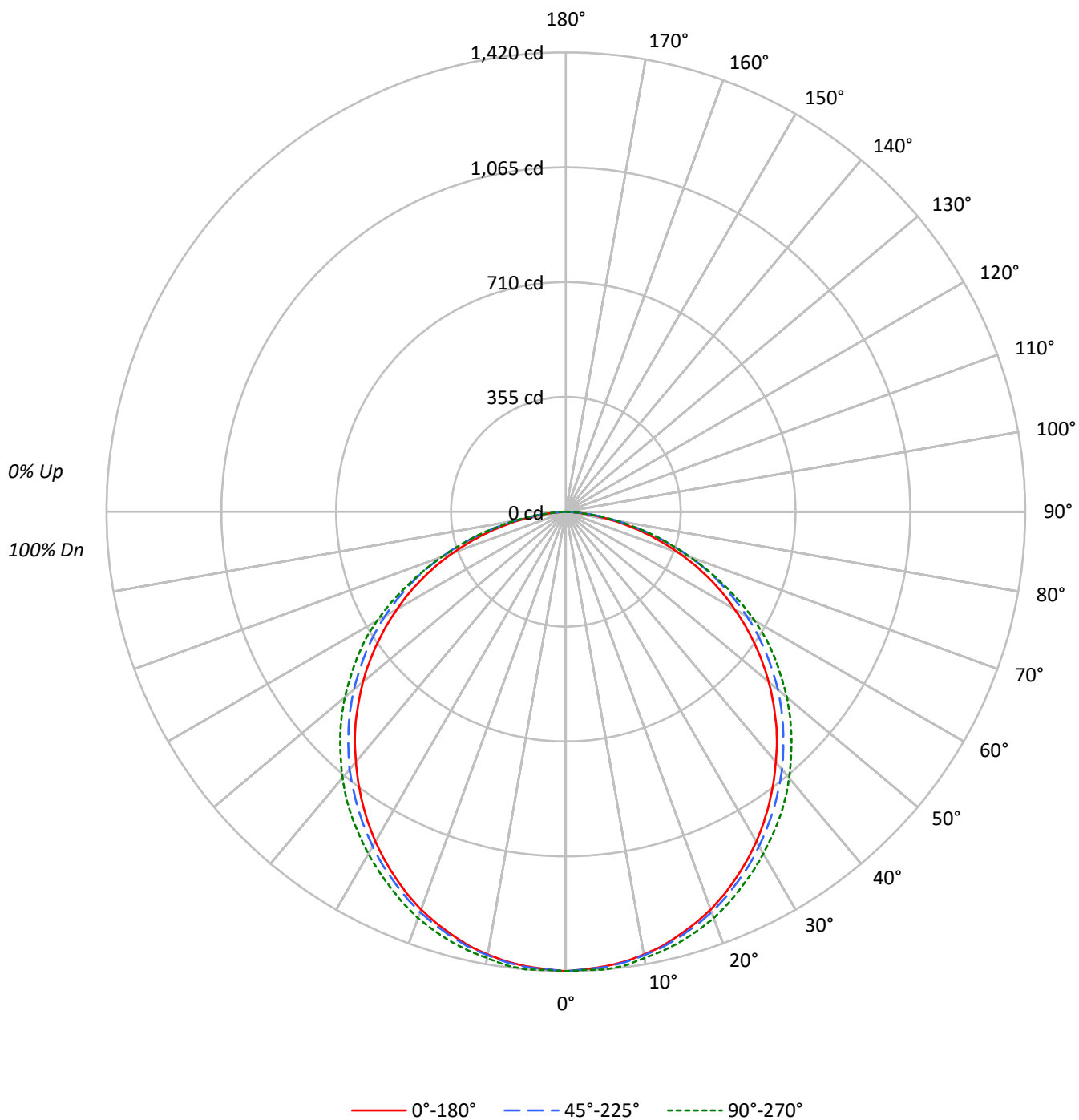
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4098.0 lumens
Efficiency: N/A
Efficacy: 143.8 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°	4785	4785	4785
5°	4771	4779	4804
10°	4756	4764	4793
15°	4725	4747	4798
20°	4692	4723	4792
25°	4639	4684	4765
30°	4581	4647	4751
35°	4513	4608	4743
40°	4441	4575	4724
45°	4377	4528	4701
50°	4293	4484	4674
55°	4190	4425	4632
60°	4061	4356	4544
65°	3904	4233	4321
70°	3663	4022	4022
75°	3290	3653	3670
80°	2711	3089	3089
85°	1879	2254	1972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4701 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	3.3
10°-20°	385.3	9.4
20°-30°	583.1	14.2
30°-40°	704.0	17.2
40°-50°	735.5	17.9
50°-60°	673.7	16.4
60°-70°	519.4	12.7
70°-80°	293.1	7.2
80°-90°	69.4	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°	1102.9	26.9
0°-40°	1806.9	44.1
0°-60°	3216.1	78.5
0°-90°	4098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4098.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1420	1420	1420	1420	1420	
5°	1410	1420	1413	1415	1420	134
15°	1355	1363	1361	1372	1375	382
25°	1248	1259	1260	1277	1282	575
35°	1097	1112	1120	1144	1153	686
45°	918	934	950	978	986	708
55°	713	731	753	781	788	637
65°	490	505	531	549	542	484
75°	253	272	281	288	282	268
85°	49	55	58	62	51	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1420.2	1420.2	1420.2	1420.2	1420.2
2.5°	1415.4	1425.1	1415.4	1420.2	1417.8
5°	1410.5	1420.2	1412.9	1415.4	1420.2
7.5°	1402.0	1411.7	1404.4	1408.1	1414.2
10°	1389.9	1399.6	1392.3	1398.4	1400.8
12.5°	1375.3	1383.8	1378.9	1386.2	1389.9
15°	1354.6	1363.1	1360.7	1371.6	1375.3
17.5°	1332.8	1342.5	1340.1	1353.4	1357.1
20°	1308.5	1317.0	1317.0	1329.1	1336.4
22.5°	1279.3	1289.0	1290.2	1303.6	1310.9
25°	1247.7	1258.7	1259.9	1276.9	1281.7
27.5°	1213.7	1224.6	1229.5	1247.7	1252.6
30°	1177.3	1188.2	1194.3	1214.9	1221.0
32.5°	1138.4	1151.7	1157.8	1180.9	1187.0
35°	1097.1	1111.6	1120.2	1144.4	1153.0
37.5°	1054.5	1069.1	1080.1	1105.6	1115.3
40°	1009.6	1025.4	1040.0	1065.5	1074.0
42.5°	965.9	981.7	995.0	1021.7	1030.2
45°	918.5	934.3	950.1	978.0	986.5
47.5°	868.7	885.7	903.9	929.4	940.3
50°	818.9	835.9	855.3	882.0	891.7
52.5°	766.6	784.8	804.3	832.2	839.5
55°	713.2	731.4	753.2	781.2	788.5
57.5°	658.5	677.9	701.0	727.7	735.0
60°	602.6	622.0	646.3	671.8	674.3
62.5°	547.9	564.9	589.2	613.5	609.9
65°	489.6	505.4	530.9	549.1	541.9
67.5°	431.3	448.3	471.4	484.8	475.0
70°	371.8	390.0	408.2	417.9	408.2
72.5°	312.2	331.7	345.0	351.1	342.6
75°	252.7	272.1	280.6	287.9	281.9
77.5°	195.6	213.8	217.5	226.0	217.5
80°	139.7	156.7	159.2	167.7	159.2
82.5°	89.9	100.8	105.7	113.0	104.5
85°	48.6	54.7	58.3	62.0	51.0
87.5°	17.0	19.4	17.0	14.6	6.1
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	17.15	18.80	17.52	19.12	19.43	17.70	19.35	18.06	19.66	19.97
	3H	18.94	20.43	19.32	20.76	21.12	19.50	21.00	19.88	21.32	21.68
	4H	19.58	20.99	19.98	21.33	21.71	20.15	21.56	20.55	21.90	22.28
	6H	20.00	21.31	20.41	21.67	22.06	20.59	21.89	21.00	22.26	22.65
	8H	20.11	21.36	20.54	21.75	22.14	20.71	21.96	21.13	22.35	22.74
	12H	20.17	21.36	20.60	21.74	22.17	20.77	21.96	21.20	22.34	22.77
4H	2H	17.88	19.29	18.28	19.63	20.01	18.30	19.71	18.70	20.06	20.43
	3H	19.89	21.07	20.29	21.46	21.86	20.34	21.52	20.75	21.92	22.32
	4H	20.65	21.72	21.08	22.13	22.57	21.12	22.19	21.55	22.60	23.04
	6H	21.20	22.13	21.65	22.57	23.03	21.69	22.62	22.14	23.06	23.52
	8H	21.34	22.22	21.80	22.66	23.12	21.85	22.73	22.31	23.17	23.63
	12H	21.43	22.21	21.91	22.69	23.16	21.95	22.73	22.42	23.21	23.67
8H	4H	21.00	21.87	21.46	22.31	22.78	21.41	22.28	21.87	22.72	23.19
	6H	21.66	22.38	22.15	22.87	23.34	22.09	22.82	22.58	23.30	23.78
	8H	21.86	22.51	22.37	23.02	23.50	22.32	22.97	22.83	23.48	23.96
	12H	22.00	22.57	22.50	23.06	23.62	22.47	23.05	22.98	23.54	24.10
12H	4H	21.03	21.82	21.51	22.29	22.76	21.43	22.22	21.91	22.69	23.16
	6H	21.71	22.36	22.22	22.87	23.35	22.13	22.78	22.64	23.29	23.77
	8H	21.97	22.54	22.47	23.03	23.59	22.42	22.99	22.92	23.48	24.04