

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: P1585683

Luminaire Tested: 14CZSP-SB-42-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585683
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-42-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

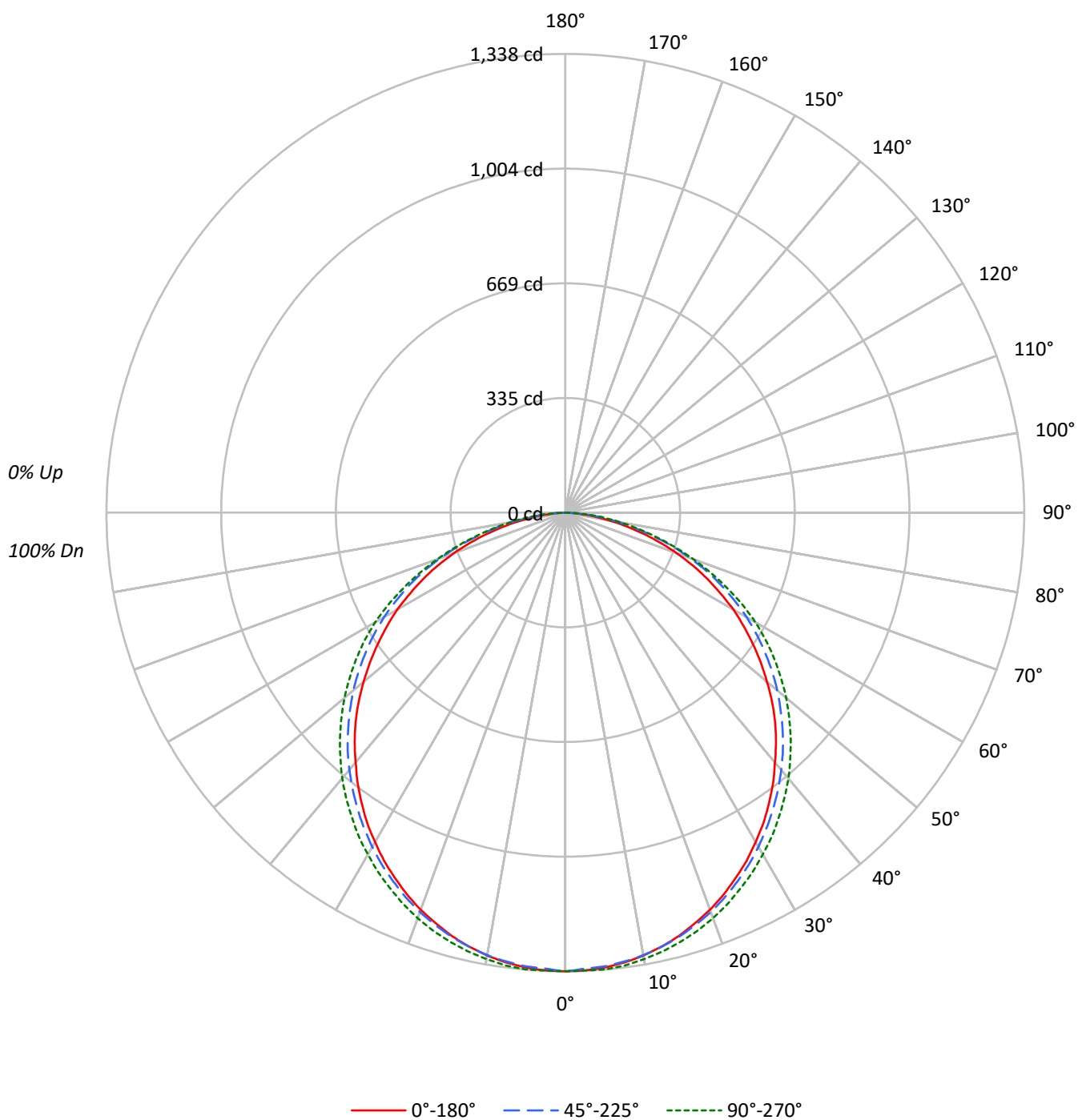
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3865.0 lumens
Efficiency: N/A
Efficacy: 135.6 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	99	96	106	102	98	94	97	94	91		93	91	88		90
2	99	90	83	78	96	88	82	77	85	79	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	40	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	58	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°	4508	4508	4508
5°	4504	4493	4523
10°	4488	4484	4524
15°	4459	4469	4521
20°	4420	4446	4514
25°	4372	4413	4496
30°	4317	4380	4480
35°	4257	4344	4464
40°	4183	4308	4452
45°	4123	4269	4428
50°	4024	4229	4407
55°	3921	4173	4373
60°	3816	4112	4314
65°	3645	4004	4150
70°	3401	3823	3916
75°	3030	3464	3566
80°	2474	3004	3155
85°	1635	2389	2563

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4428 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.7	3.3
10°-20°	363.0	9.4
20°-30°	549.5	14.2
30°-40°	663.3	17.2
40°-50°	692.7	17.9
50°-60°	633.7	16.4
60°-70°	489.9	12.7
70°-80°	277.3	7.2
80°-90°	68.9	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°	1039.2	26.9
0°-40°	1702.5	44.0
0°-60°	3028.9	78.4
0°-90°	3865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1332	1341	1328	1330	1337	126
15°	1278	1289	1281	1287	1296	360
25°	1176	1191	1187	1198	1209	542
35°	1035	1050	1056	1074	1085	647
45°	865	882	896	919	929	666
55°	668	688	710	733	744	597
65°	457	476	502	517	520	451
75°	233	253	266	273	274	247
85°	42	49	62	65	66	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1337.8	1337.8	1337.8	1337.8	1337.8
2.5°	1336.2	1345.6	1331.2	1333.9	1336.7
5°	1331.7	1341.2	1328.4	1329.5	1337.3
7.5°	1323.4	1333.9	1320.6	1322.8	1332.3
10°	1311.7	1322.3	1310.6	1312.8	1322.3
12.5°	1296.6	1307.2	1297.2	1300.5	1311.1
15°	1278.3	1289.4	1281.1	1287.2	1296.1
17.5°	1256.0	1269.9	1261.0	1270.5	1279.4
20°	1232.6	1246.5	1239.9	1248.2	1258.8
22.5°	1205.9	1219.8	1214.8	1223.7	1235.4
25°	1175.8	1190.9	1187.0	1198.1	1209.2
27.5°	1144.7	1159.1	1158.0	1170.3	1182.0
30°	1109.6	1125.2	1125.7	1140.2	1151.3
32.5°	1074.5	1088.4	1091.8	1107.9	1120.7
35°	1035.0	1049.5	1056.1	1073.9	1085.1
37.5°	994.9	1011.0	1018.3	1037.8	1049.5
40°	950.9	969.3	979.3	999.9	1012.1
42.5°	909.2	925.9	939.2	959.8	971.0
45°	865.2	881.9	895.8	918.6	929.2
47.5°	817.8	836.2	851.3	873.5	885.2
50°	767.7	787.8	806.7	828.4	840.7
52.5°	718.2	737.7	759.4	780.5	792.8
55°	667.5	687.6	710.4	732.7	744.4
57.5°	616.3	636.4	661.4	681.4	693.7
60°	566.2	584.6	610.2	630.2	640.2
62.5°	509.4	530.6	556.7	576.8	582.3
65°	457.1	476.0	502.2	517.2	520.5
67.5°	401.4	420.3	446.5	454.9	459.9
70°	345.2	365.2	388.0	393.6	397.5
72.5°	288.4	309.0	326.8	332.4	335.7
75°	232.7	252.8	266.1	272.8	273.9
77.5°	178.7	197.1	209.3	217.1	217.1
80°	127.5	141.4	154.8	163.1	162.6
82.5°	81.3	91.9	105.8	111.9	115.8
85°	42.3	49.0	61.8	64.6	66.3
87.5°	13.4	17.3	22.3	18.4	17.8
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	16.91	18.56	17.28	18.88	19.19	17.45	19.10	17.82	19.42	19.73
	3H	18.68	20.18	19.06	20.50	20.86	19.31	20.81	19.69	21.13	21.49
	4H	19.31	20.72	19.71	21.06	21.44	19.98	21.39	20.38	21.74	22.12
	6H	19.71	21.02	20.12	21.38	21.77	20.47	21.78	20.88	22.14	22.53
	8H	19.81	21.06	20.24	21.45	21.85	20.63	21.87	21.05	22.26	22.66
	12H	19.86	21.06	20.29	21.44	21.87	20.72	21.92	21.15	22.30	22.73
4H	2H	17.65	19.06	18.05	19.41	19.78	18.07	19.48	18.47	19.83	20.20
	3H	19.64	20.82	20.05	21.22	21.62	20.15	21.33	20.56	21.73	22.13
	4H	20.39	21.46	20.82	21.87	22.31	20.95	22.02	21.38	22.43	22.87
	6H	20.91	21.85	21.36	22.29	22.74	21.57	22.50	22.02	22.94	23.40
	8H	21.05	21.92	21.51	22.36	22.83	21.77	22.64	22.23	23.09	23.55
	12H	21.12	21.91	21.60	22.38	22.85	21.91	22.70	22.39	23.17	23.64
8H	4H	20.75	21.62	21.21	22.06	22.53	21.24	22.12	21.70	22.56	23.02
	6H	21.38	22.11	21.87	22.59	23.07	21.97	22.70	22.47	23.19	23.66
	8H	21.57	22.23	22.08	22.73	23.22	22.25	22.90	22.76	23.41	23.89
	12H	21.70	22.28	22.21	22.77	23.33	22.45	23.03	22.96	23.52	24.08
12H	4H	20.79	21.58	21.27	22.05	22.52	21.27	22.05	21.75	22.53	23.00
	6H	21.44	22.10	21.95	22.60	23.09	22.02	22.67	22.52	23.18	23.66
	8H	21.69	22.27	22.20	22.76	23.32	22.34	22.92	22.85	23.41	23.97