

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: P1585685

Luminaire Tested: 14CZSP-SB-42-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1585685
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Ribbed Lens, SB housing
Light Source: -
Ballast/Driver: -

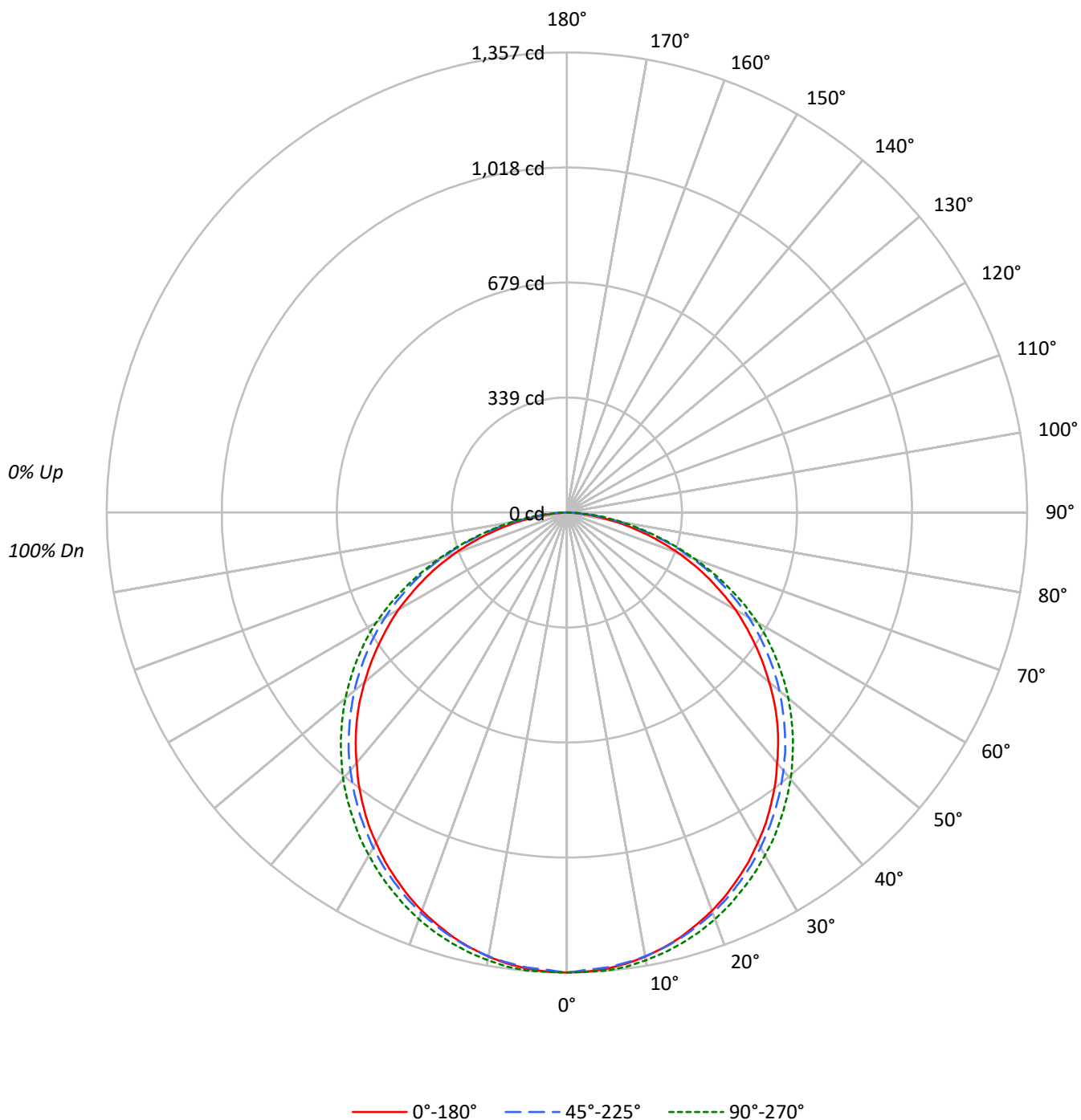
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3920.0 lumens
Efficiency: N/A
Efficacy: 137.5 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	79	75		82	77	73		79	75	71	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	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	58	46	38	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	34	28		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°	4572	4572	4572
5°	4569	4557	4588
10°	4552	4548	4589
15°	4523	4533	4586
20°	4483	4509	4578
25°	4434	4476	4560
30°	4379	4442	4543
35°	4318	4406	4527
40°	4242	4369	4516
45°	4182	4329	4491
50°	4082	4289	4469
55°	3977	4233	4435
60°	3870	4171	4376
65°	3696	4061	4210
70°	3449	3878	3972
75°	3072	3514	3617
80°	2509	3047	3200
85°	1659	2424	2598

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4491 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	3.3
10°-20°	368.1	9.4
20°-30°	557.3	14.2
30°-40°	672.7	17.2
40°-50°	702.6	17.9
50°-60°	642.7	16.4
60°-70°	496.9	12.7
70°-80°	281.3	7.2
80°-90°	69.9	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°	1054.0	26.9
0°-40°	1726.7	44.0
0°-60°	3072.0	78.4
0°-90°	3920.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3920.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1351	1360	1347	1348	1356	128
15°	1296	1308	1299	1306	1314	366
25°	1193	1208	1204	1215	1226	550
35°	1050	1064	1071	1089	1100	657
45°	878	894	908	932	942	676
55°	677	697	720	743	755	605
65°	464	483	509	525	528	458
75°	236	256	270	277	278	250
85°	43	50	63	66	67	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1356.9	1356.9	1356.9	1356.9	1356.9
2.5°	1355.2	1364.8	1350.1	1352.9	1355.7
5°	1350.7	1360.3	1347.3	1348.4	1356.3
7.5°	1342.2	1352.9	1339.4	1341.6	1351.2
10°	1330.3	1341.1	1329.2	1331.5	1341.1
12.5°	1315.1	1325.8	1315.7	1319.0	1329.8
15°	1296.5	1307.8	1299.3	1305.5	1314.5
17.5°	1273.9	1288.0	1279.0	1288.6	1297.6
20°	1250.2	1264.3	1257.5	1266.0	1276.7
22.5°	1223.1	1237.2	1232.1	1241.1	1253.0
25°	1192.6	1207.8	1203.9	1215.1	1226.4
27.5°	1160.9	1175.6	1174.5	1186.9	1198.8
30°	1125.4	1141.2	1141.7	1156.4	1167.7
32.5°	1089.8	1103.9	1107.3	1123.7	1136.7
35°	1049.7	1064.4	1071.2	1089.2	1100.5
37.5°	1009.0	1025.4	1032.8	1052.5	1064.4
40°	964.4	983.1	993.2	1014.1	1026.6
42.5°	922.1	939.0	952.6	973.5	984.8
45°	877.5	894.4	908.5	931.7	942.4
47.5°	829.5	848.1	863.4	886.0	897.8
50°	778.7	799.0	818.2	840.2	852.6
52.5°	728.4	748.2	770.2	791.7	804.1
55°	677.0	697.4	720.5	743.1	755.0
57.5°	625.1	645.4	670.8	691.1	703.6
60°	574.3	592.9	618.9	639.2	649.4
62.5°	516.7	538.1	564.7	585.0	590.6
65°	463.6	482.8	509.3	524.6	528.0
67.5°	407.1	426.3	452.9	461.3	466.4
70°	350.1	370.4	393.6	399.2	403.2
72.5°	292.5	313.4	331.5	337.1	340.5
75°	236.0	256.4	269.9	276.7	277.8
77.5°	181.3	199.9	212.3	220.2	220.2
80°	129.3	143.4	157.0	165.4	164.9
82.5°	82.4	93.2	107.3	113.5	117.4
85°	42.9	49.7	62.7	65.5	67.2
87.5°	13.6	17.5	22.6	18.6	18.1
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	16.96	18.61	17.33	18.93	19.24	17.50	19.15	17.87	19.47	19.78
	3H	18.73	20.23	19.11	20.55	20.91	19.36	20.86	19.74	21.18	21.54
	4H	19.36	20.77	19.76	21.11	21.49	20.03	21.44	20.43	21.79	22.16
	6H	19.76	21.07	20.17	21.43	21.82	20.52	21.83	20.93	22.19	22.58
	8H	19.86	21.11	20.29	21.50	21.90	20.68	21.92	21.10	22.31	22.71
	12H	19.91	21.11	20.34	21.49	21.92	20.77	21.97	21.20	22.35	22.78
4H	2H	17.70	19.11	18.10	19.46	19.83	18.12	19.53	18.52	19.88	20.25
	3H	19.69	20.87	20.10	21.27	21.67	20.20	21.38	20.61	21.78	22.18
	4H	20.44	21.51	20.87	21.92	22.36	21.00	22.07	21.43	22.48	22.92
	6H	20.96	21.90	21.41	22.34	22.79	21.62	22.55	22.07	22.99	23.45
	8H	21.10	21.97	21.56	22.41	22.88	21.82	22.69	22.28	23.14	23.60
	12H	21.17	21.96	21.65	22.43	22.90	21.96	22.74	22.44	23.22	23.69
8H	4H	20.80	21.67	21.26	22.11	22.58	21.29	22.17	21.75	22.61	23.07
	6H	21.43	22.16	21.92	22.64	23.12	22.02	22.75	22.52	23.24	23.71
	8H	21.62	22.28	22.13	22.78	23.27	22.30	22.95	22.80	23.45	23.94
	12H	21.75	22.32	22.25	22.81	23.37	22.50	23.08	23.01	23.57	24.13
12H	4H	20.84	21.62	21.32	22.10	22.57	21.32	22.10	21.79	22.58	23.05
	6H	21.49	22.15	22.00	22.65	23.14	22.06	22.72	22.57	23.22	23.71
	8H	21.74	22.32	22.25	22.81	23.37	22.39	22.97	22.90	23.46	24.02