

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: P1584546

Luminaire Tested: 14CZSP-A-35-L940-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2608-884-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-35-L940-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

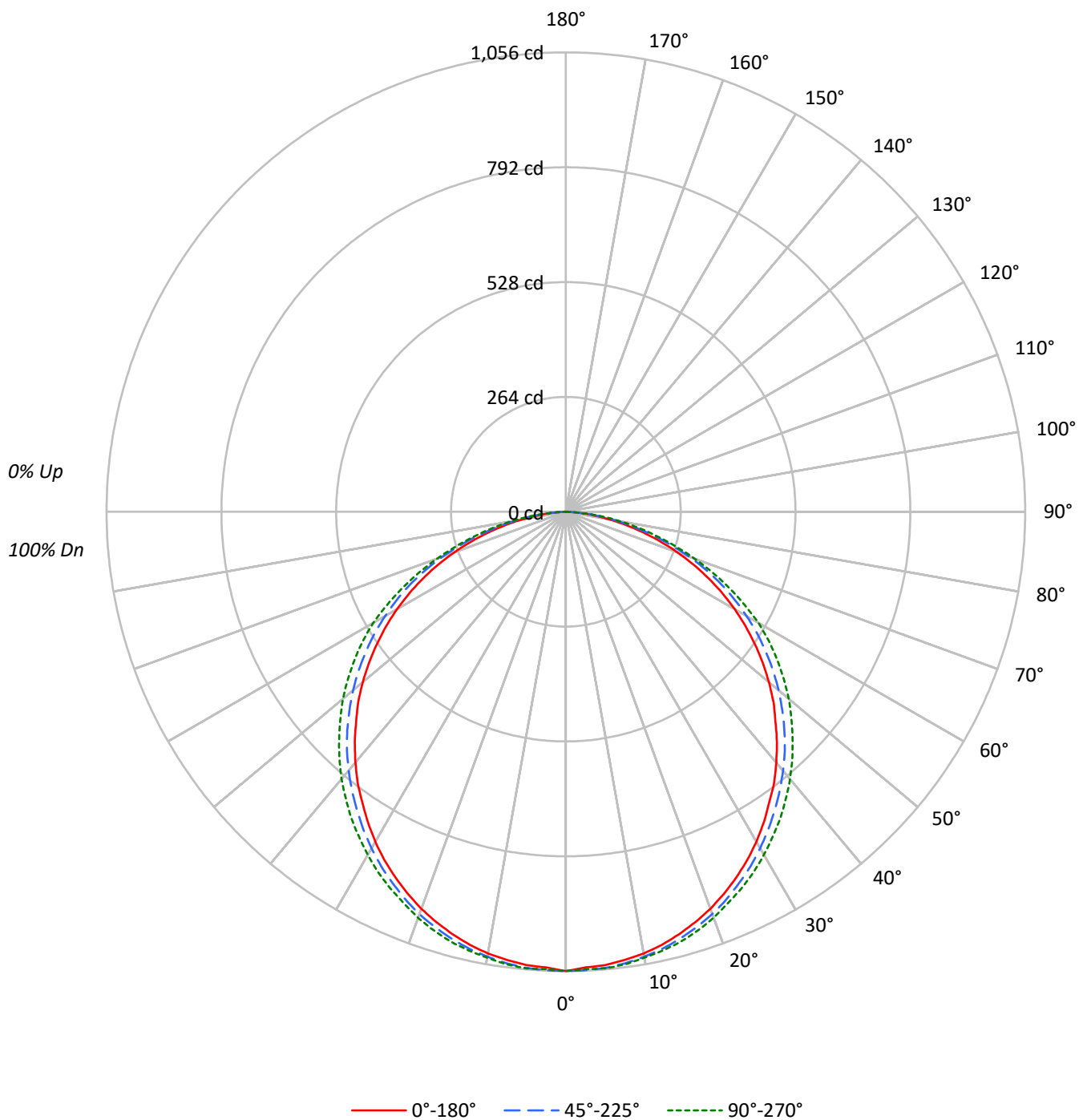
Lumens per Lamp: N/A
Luminaire Lumens: 3052.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 23.2
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		93	91	88		90
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79
3	90	79	71	64	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62
5	76	63	53	47	73	61	53	46	59	52	46		57	51	45		55
6	70	56	47	41	68	55	47	41	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	59	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°	3557	3557	3557
5°	3537	3560	3563
10°	3528	3554	3562
15°	3507	3543	3568
20°	3483	3530	3561
25°	3447	3502	3551
30°	3408	3475	3543
35°	3354	3445	3537
40°	3310	3416	3527
45°	3248	3387	3513
50°	3194	3347	3506
55°	3117	3299	3484
60°	3021	3233	3448
65°	2887	3145	3306
70°	2691	2969	3102
75°	2403	2678	2830
80°	1970	2259	2476
85°	1318	1651	1840

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3513 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	3.3
10°-20°	286.6	9.4
20°-30°	434.0	14.2
30°-40°	524.1	17.2
40°-50°	547.8	17.9
50°-60°	501.9	16.4
60°-70°	387.4	12.7
70°-80°	217.9	7.1
80°-90°	52.1	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°	820.6	26.9
0°-40°	1344.8	44.1
0°-60°	2394.5	78.5
0°-90°	3052.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3052.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1056	1056	1056	1056	1056	
5°	1046	1053	1052	1053	1053	99
15°	1005	1014	1016	1020	1023	284
25°	927	935	942	947	955	427
35°	815	826	837	849	860	511
45°	682	695	711	725	737	527
55°	530	544	562	579	593	474
65°	362	378	394	410	415	358
75°	185	202	206	214	217	196
85°	34	39	43	47	48	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1048.5	1056.6	1054.8	1057.5	1052.5
5°	1045.8	1053.4	1052.5	1053.4	1053.4
7.5°	1039.1	1047.2	1046.7	1048.1	1049.0
10°	1031.0	1038.6	1038.6	1040.0	1040.9
12.5°	1019.8	1027.8	1028.7	1031.0	1032.8
15°	1005.4	1013.5	1015.7	1019.8	1022.9
17.5°	989.2	997.7	1001.3	1005.4	1009.4
20°	971.2	978.9	984.3	987.4	993.2
22.5°	950.1	958.7	964.5	967.6	973.9
25°	927.2	935.3	942.0	947.0	955.1
27.5°	903.0	911.0	919.1	925.0	934.4
30°	876.0	884.5	893.1	902.1	910.6
32.5°	846.8	856.7	866.1	876.0	885.4
35°	815.4	825.7	837.4	848.6	859.8
37.5°	786.2	795.6	807.7	819.8	831.1
40°	752.5	762.8	776.7	790.2	801.9
42.5°	718.3	729.5	744.8	757.9	770.4
45°	681.5	695.0	710.7	725.1	737.2
47.5°	647.3	659.0	674.7	690.5	703.0
50°	609.2	622.2	638.4	655.0	668.9
52.5°	570.5	584.0	600.6	617.2	631.6
55°	530.5	544.5	561.5	579.1	593.0
57.5°	489.7	504.5	522.0	539.5	553.5
60°	448.3	463.2	479.8	499.1	511.7
62.5°	405.2	421.8	437.5	455.5	463.2
65°	362.1	377.8	394.4	410.1	414.6
67.5°	318.1	334.2	349.1	359.4	365.2
70°	273.1	290.7	301.4	311.3	314.9
72.5°	228.7	246.2	252.5	261.9	265.5
75°	184.6	201.7	205.7	214.3	217.4
77.5°	142.0	157.7	159.0	168.9	171.6
80°	101.5	114.1	116.4	125.8	127.6
82.5°	65.1	74.1	77.3	85.4	88.0
85°	34.1	39.1	42.7	46.7	47.6
87.5°	11.2	13.9	11.7	12.1	11.2
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	16.12	17.77	16.49	18.09	18.40	16.66	18.31	17.03	18.63	18.94
	3H	17.90	19.39	18.27	19.72	20.08	18.52	20.01	18.89	20.34	20.70
	4H	18.52	19.93	18.92	20.28	20.65	19.19	20.59	19.58	20.94	21.32
	6H	18.93	20.24	19.34	20.60	20.99	19.66	20.97	20.07	21.33	21.72
	8H	19.04	20.28	19.46	20.67	21.07	19.81	21.06	20.23	21.44	21.84
	12H	19.09	20.28	19.51	20.66	21.09	19.89	21.09	20.32	21.47	21.90
4H	2H	16.85	18.25	17.24	18.60	18.98	17.27	18.67	17.67	19.02	19.40
	3H	18.84	20.02	19.25	20.42	20.82	19.34	20.52	19.75	20.92	21.32
	4H	19.60	20.67	20.03	21.08	21.51	20.14	21.20	20.57	21.62	22.05
	6H	20.13	21.06	20.58	21.50	21.95	20.74	21.67	21.19	22.11	22.57
	8H	20.26	21.14	20.72	21.58	22.04	20.93	21.80	21.39	22.24	22.71
	12H	20.34	21.13	20.82	21.60	22.07	21.05	21.84	21.53	22.31	22.78
8H	4H	19.93	20.81	20.39	21.25	21.71	20.41	21.29	20.87	21.73	22.19
	6H	20.58	21.30	21.07	21.79	22.26	21.12	21.85	21.62	22.34	22.81
	8H	20.78	21.43	21.28	21.93	22.42	21.38	22.03	21.89	22.54	23.02
	12H	20.90	21.48	21.41	21.97	22.53	21.56	22.14	22.07	22.63	23.19
12H	4H	19.97	20.76	20.45	21.23	21.70	20.44	21.22	20.91	21.70	22.16
	6H	20.63	21.28	21.14	21.79	22.27	21.16	21.81	21.67	22.32	22.80
	8H	20.88	21.46	21.39	21.95	22.51	21.47	22.04	21.97	22.53	23.09