

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: P1584543

Luminaire Tested: 14CZSP-A-35-L930

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584543
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-A-35-L930
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

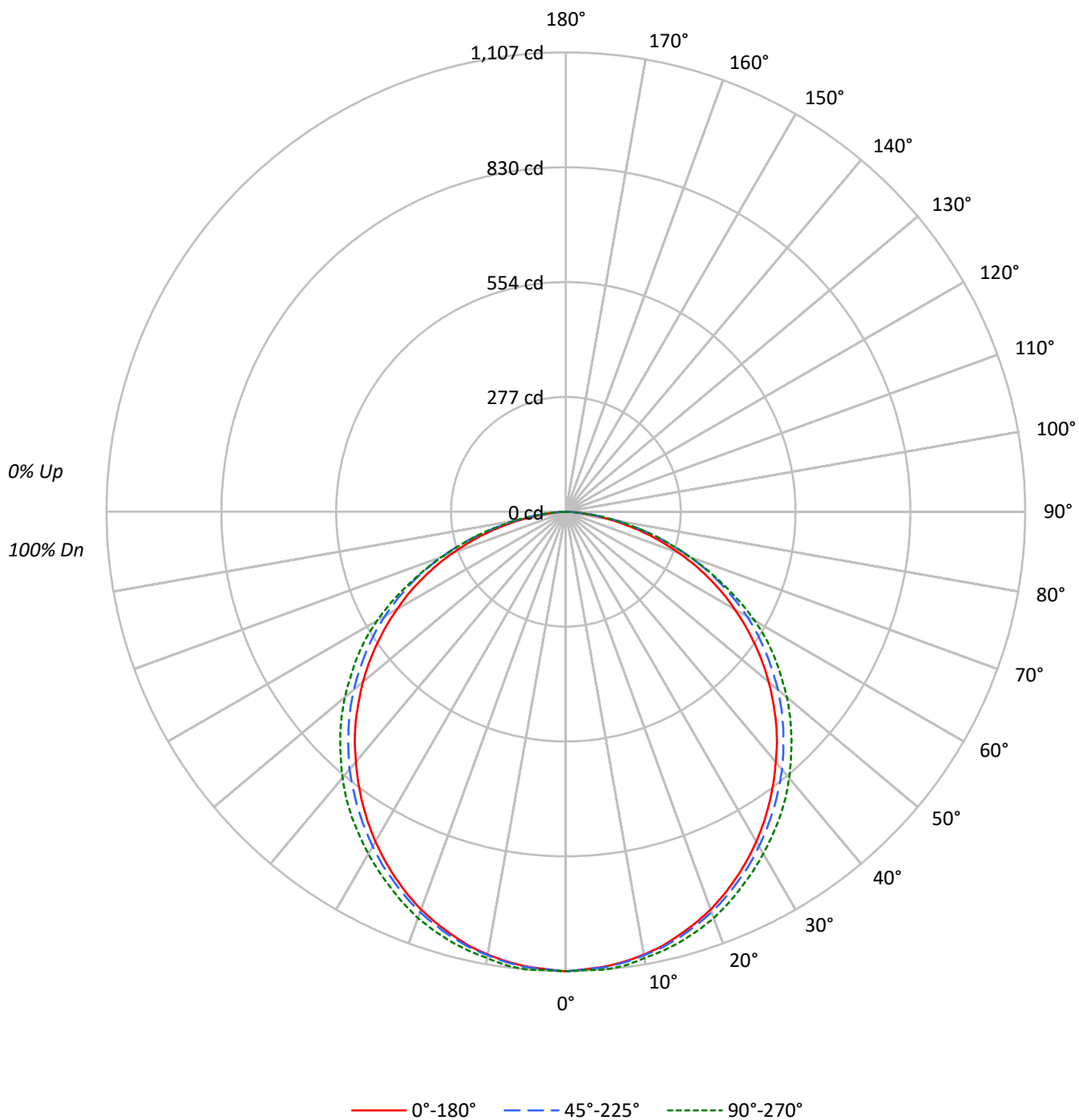
Lumens per Lamp: N/A
Luminaire Lumens: 3195.0 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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°	3731	3731	3731
5°	3720	3726	3745
10°	3708	3714	3737
15°	3684	3701	3740
20°	3658	3682	3736
25°	3617	3652	3715
30°	3571	3623	3704
35°	3518	3592	3698
40°	3462	3566	3683
45°	3412	3530	3665
50°	3347	3495	3644
55°	3266	3450	3611
60°	3166	3396	3543
65°	3043	3300	3369
70°	2855	3136	3136
75°	2565	2849	2862
80°	2113	2408	2408
85°	1465	1759	1539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3665 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	3.3
10°-20°	300.4	9.4
20°-30°	454.6	14.2
30°-40°	548.9	17.2
40°-50°	573.4	17.9
50°-60°	525.3	16.4
60°-70°	405.0	12.7
70°-80°	228.5	7.2
80°-90°	54.1	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°	859.9	26.9
0°-40°	1408.8	44.1
0°-60°	2507.4	78.5
0°-90°	3195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1107	1107	1107	1107	1107	
5°	1100	1107	1102	1104	1107	104
15°	1056	1063	1061	1069	1072	298
25°	973	981	982	996	999	448
35°	855	867	873	892	899	535
45°	716	728	741	762	769	552
55°	556	570	587	609	615	497
65°	382	394	414	428	422	377
75°	197	212	219	224	220	209
85°	38	43	46	48	40	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1107.3	1107.3	1107.3	1107.3	1107.3
2.5°	1103.5	1111.1	1103.5	1107.3	1105.4
5°	1099.7	1107.3	1101.6	1103.5	1107.3
7.5°	1093.1	1100.7	1095.0	1097.8	1102.5
10°	1083.6	1091.2	1085.5	1090.2	1092.1
12.5°	1072.2	1078.9	1075.1	1080.8	1083.6
15°	1056.1	1062.8	1060.9	1069.4	1072.2
17.5°	1039.1	1046.7	1044.8	1055.2	1058.0
20°	1020.1	1026.8	1026.8	1036.2	1041.9
22.5°	997.4	1005.0	1005.9	1016.4	1022.0
25°	972.8	981.3	982.3	995.5	999.3
27.5°	946.3	954.8	958.6	972.8	976.6
30°	917.8	926.4	931.1	947.2	951.9
32.5°	887.5	898.0	902.7	920.7	925.4
35°	855.3	866.7	873.3	892.3	898.9
37.5°	822.2	833.5	842.1	862.0	869.5
40°	787.1	799.4	810.8	830.7	837.3
42.5°	753.0	765.3	775.8	796.6	803.2
45°	716.1	728.4	740.7	762.5	769.1
47.5°	677.3	690.5	704.7	724.6	733.1
50°	638.4	651.7	666.8	687.7	695.2
52.5°	597.7	611.9	627.1	648.8	654.5
55°	556.0	570.2	587.3	609.1	614.7
57.5°	513.4	528.5	546.5	567.4	573.1
60°	469.8	485.0	503.9	523.8	525.7
62.5°	427.2	440.5	459.4	478.3	475.5
65°	381.7	394.0	413.9	428.1	422.5
67.5°	336.3	349.5	367.5	377.9	370.4
70°	289.8	304.1	318.3	325.8	318.3
72.5°	243.4	258.6	269.0	273.7	267.1
75°	197.0	212.2	218.8	224.5	219.8
77.5°	152.5	166.7	169.5	176.2	169.5
80°	108.9	122.2	124.1	130.7	124.1
82.5°	70.1	78.6	82.4	88.1	81.5
85°	37.9	42.6	45.5	48.3	39.8
87.5°	13.3	15.2	13.3	11.4	4.7
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	16.29	17.94	16.65	18.25	18.56	16.83	18.48	17.20	18.80	19.11
	3H	18.07	19.57	18.45	19.89	20.25	18.64	20.13	19.01	20.46	20.82
	4H	18.71	20.12	19.11	20.47	20.84	19.28	20.69	19.68	21.04	21.41
	6H	19.14	20.44	19.55	20.81	21.20	19.72	21.03	20.13	21.39	21.78
	8H	19.25	20.49	19.67	20.88	21.28	19.85	21.09	20.27	21.48	21.88
	12H	19.30	20.50	19.73	20.88	21.31	19.90	21.10	20.33	21.48	21.91
4H	2H	17.01	18.42	17.41	18.77	19.14	17.44	18.85	17.84	19.19	19.57
	3H	19.02	20.20	19.43	20.60	21.00	19.48	20.66	19.88	21.05	21.45
	4H	19.79	20.86	20.22	21.27	21.70	20.26	21.32	20.69	21.74	22.17
	6H	20.33	21.27	20.79	21.71	22.16	20.82	21.76	21.28	22.20	22.65
	8H	20.48	21.35	20.94	21.79	22.26	20.99	21.86	21.45	22.30	22.77
	12H	20.56	21.35	21.04	21.82	22.29	21.08	21.87	21.56	22.34	22.81
8H	4H	20.13	21.00	20.59	21.45	21.91	20.54	21.42	21.00	21.86	22.32
	6H	20.79	21.52	21.28	22.00	22.48	21.23	21.95	21.72	22.44	22.91
	8H	21.00	21.65	21.50	22.15	22.64	21.46	22.11	21.97	22.61	23.10
	12H	21.13	21.71	21.64	22.20	22.76	21.61	22.18	22.12	22.67	23.23
12H	4H	20.17	20.95	20.65	21.43	21.90	20.57	21.35	21.05	21.83	22.30
	6H	20.85	21.50	21.35	22.00	22.49	21.27	21.92	21.77	22.42	22.91
	8H	21.10	21.68	21.61	22.17	22.73	21.55	22.13	22.06	22.62	23.18