

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: P1584550

Luminaire Tested: 14CZSP-A-35-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584550
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-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3000 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

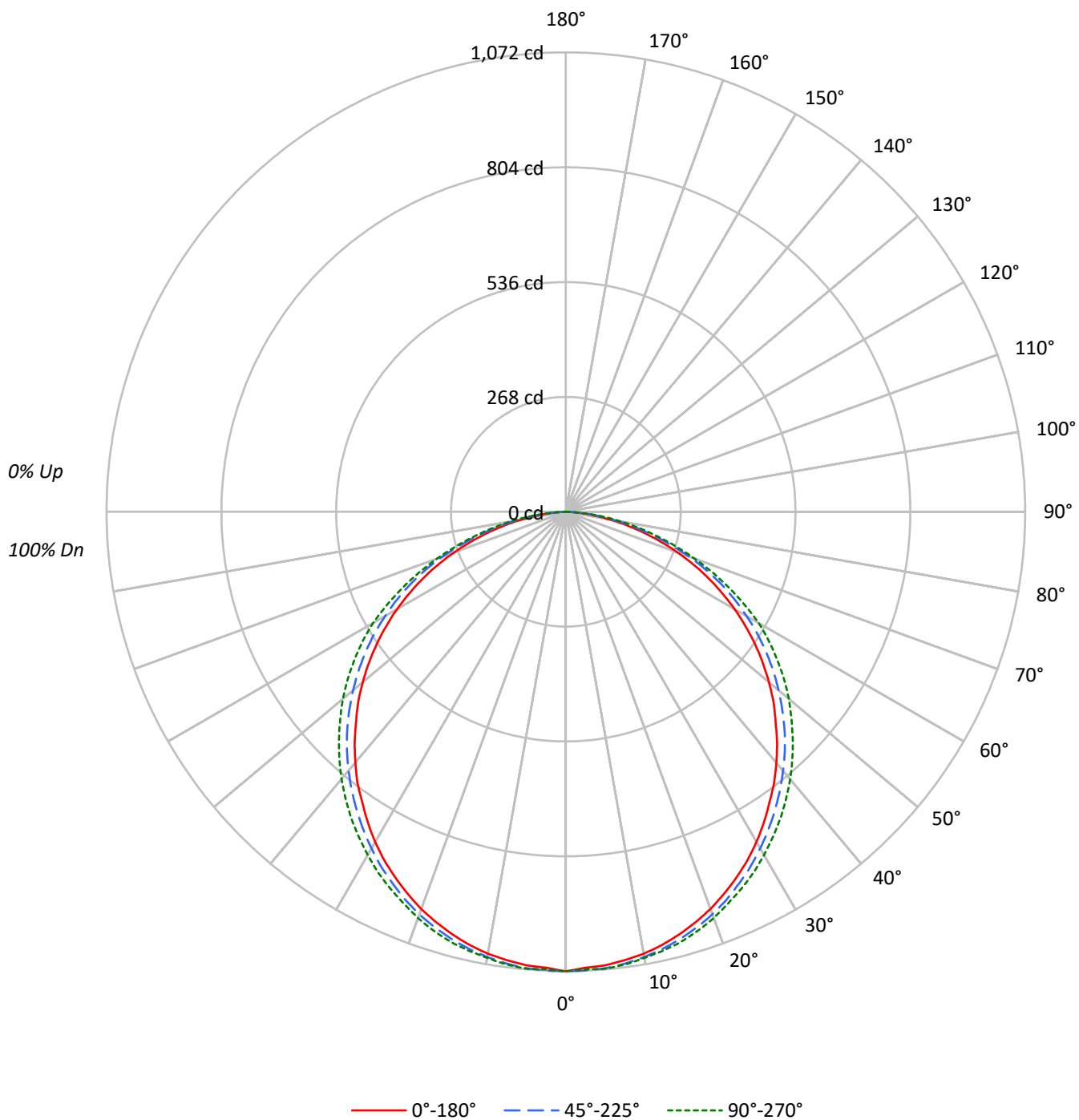
Lumens per Lamp: N/A
Luminaire Lumens: 3100.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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			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	52		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	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°	3613	3613	3613
5°	3593	3616	3619
10°	3583	3610	3617
15°	3562	3599	3624
20°	3537	3585	3618
25°	3502	3558	3607
30°	3462	3529	3599
35°	3407	3499	3592
40°	3362	3470	3583
45°	3299	3440	3568
50°	3243	3399	3562
55°	3166	3351	3538
60°	3069	3284	3502
65°	2933	3194	3358
70°	2733	3017	3152
75°	2441	2721	2875
80°	2001	2294	2515
85°	1342	1674	1871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3568 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.6	3.3
10°-20°	291.1	9.4
20°-30°	440.8	14.2
30°-40°	532.4	17.2
40°-50°	556.4	17.9
50°-60°	509.8	16.4
60°-70°	393.5	12.7
70°-80°	221.4	7.1
80°-90°	53.0	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°	833.6	26.9
0°-40°	1365.9	44.1
0°-60°	2432.1	78.5
0°-90°	3100.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3100.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1062	1070	1069	1070	1070	101
15°	1021	1029	1032	1036	1039	288
25°	942	950	957	962	970	434
35°	828	839	850	862	873	519
45°	692	706	722	736	749	535
55°	539	553	570	588	602	481
65°	368	384	401	417	421	363
75°	188	205	209	218	221	199
85°	35	40	43	48	48	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1072.3	1072.3	1072.3	1072.3	1072.3
2.5°	1065.0	1073.2	1071.4	1074.1	1069.1
5°	1062.3	1070.0	1069.1	1070.0	1070.0
7.5°	1055.4	1063.6	1063.2	1064.5	1065.4
10°	1047.2	1055.0	1055.0	1056.3	1057.2
12.5°	1035.8	1044.0	1044.9	1047.2	1049.0
15°	1021.2	1029.4	1031.7	1035.8	1039.0
17.5°	1004.8	1013.4	1017.1	1021.2	1025.3
20°	986.5	994.3	999.7	1002.9	1008.9
22.5°	965.1	973.7	979.7	982.9	989.2
25°	941.8	950.0	956.9	961.9	970.1
27.5°	917.2	925.4	933.6	939.5	949.1
30°	889.8	898.4	907.1	916.2	924.9
32.5°	860.1	870.2	879.7	889.8	899.4
35°	828.2	838.7	850.5	861.9	873.3
37.5°	798.5	808.1	820.4	832.7	844.1
40°	764.3	774.8	788.9	802.6	814.5
42.5°	729.6	741.0	756.5	769.8	782.5
45°	692.2	705.9	721.9	736.5	748.8
47.5°	657.5	669.4	685.4	701.3	714.1
50°	618.7	632.0	648.4	665.3	679.4
52.5°	579.5	593.2	610.1	626.9	641.6
55°	538.9	553.0	570.4	588.2	602.3
57.5°	497.4	512.4	530.2	548.0	562.2
60°	455.4	470.4	487.3	506.9	519.7
62.5°	411.6	428.5	444.4	462.7	470.4
65°	367.8	383.7	400.6	416.6	421.2
67.5°	323.1	339.5	354.5	365.0	371.0
70°	277.4	295.2	306.2	316.2	319.9
72.5°	232.3	250.0	256.4	266.0	269.7
75°	187.5	204.9	209.0	217.7	220.8
77.5°	144.2	160.2	161.5	171.6	174.3
80°	103.1	115.9	118.2	127.8	129.6
82.5°	66.2	75.3	78.5	86.7	89.4
85°	34.7	39.7	43.3	47.5	48.4
87.5°	11.4	14.1	11.9	12.3	11.4
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	16.18	17.83	16.54	18.14	18.45	16.72	18.37	17.08	18.68	18.99
	3H	17.95	19.44	18.33	19.77	20.13	18.57	20.07	18.95	20.39	20.75
	4H	18.58	19.98	18.98	20.33	20.71	19.24	20.65	19.64	21.00	21.37
	6H	18.99	20.29	19.40	20.65	21.05	19.72	21.02	20.13	21.39	21.78
	8H	19.09	20.34	19.51	20.72	21.12	19.86	21.11	20.29	21.50	21.90
	12H	19.14	20.33	19.57	20.72	21.14	19.95	21.14	20.38	21.52	21.95
4H	2H	16.90	18.31	17.30	18.65	19.03	17.32	18.73	17.72	19.08	19.45
	3H	18.89	20.07	19.30	20.47	20.87	19.39	20.57	19.80	20.97	21.37
	4H	19.65	20.72	20.08	21.13	21.57	20.19	21.26	20.62	21.67	22.11
	6H	20.18	21.11	20.63	21.55	22.01	20.79	21.73	21.25	22.17	22.62
	8H	20.32	21.19	20.78	21.63	22.10	20.98	21.86	21.44	22.30	22.76
	12H	20.40	21.18	20.88	21.66	22.13	21.10	21.89	21.58	22.37	22.83
8H	4H	19.99	20.86	20.45	21.30	21.77	20.47	21.34	20.93	21.78	22.25
	6H	20.63	21.36	21.12	21.84	22.32	21.18	21.90	21.67	22.39	22.87
	8H	20.83	21.48	21.34	21.99	22.47	21.44	22.09	21.94	22.59	23.08
	12H	20.96	21.53	21.46	22.02	22.58	21.62	22.19	22.12	22.68	23.24
12H	4H	20.03	20.81	20.51	21.29	21.76	20.49	21.28	20.97	21.75	22.22
	6H	20.68	21.34	21.19	21.84	22.33	21.22	21.87	21.72	22.37	22.86
	8H	20.94	21.51	21.44	22.00	22.56	21.52	22.10	22.03	22.59	23.15