

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: P1584536

Luminaire Tested: 14CZSP-A-35-L840-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584536
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-L840-S
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3000 lumens, 80CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

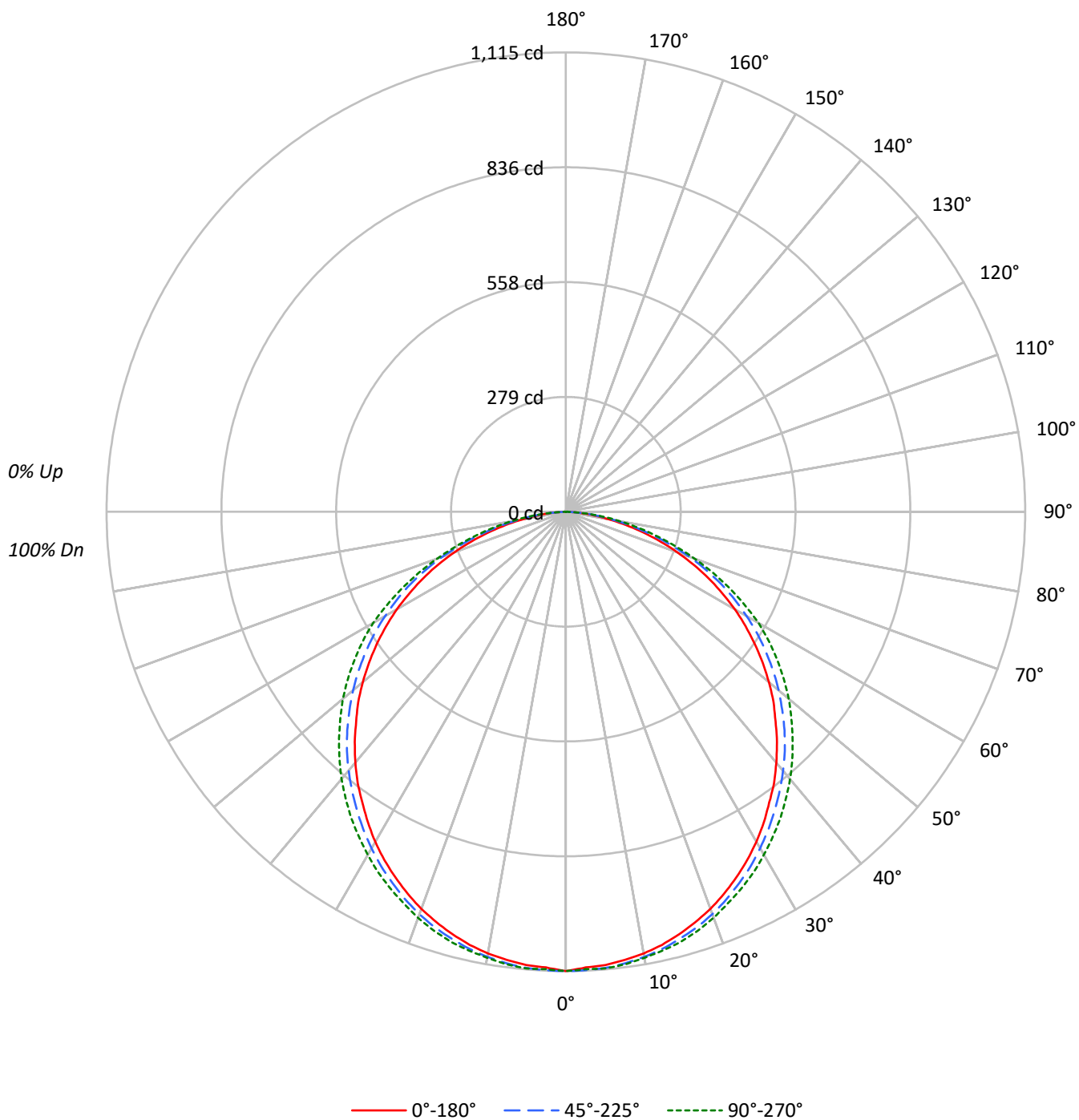
Lumens per Lamp: N/A
Luminaire Lumens: 3223.0 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584536

CATALOG NUMBER: 14CZSP-A-35-L840-S

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°	3756	3756	3756
5°	3736	3760	3763
10°	3725	3753	3761
15°	3704	3742	3768
20°	3678	3727	3761
25°	3641	3699	3750
30°	3599	3669	3741
35°	3542	3638	3735
40°	3495	3608	3725
45°	3430	3576	3710
50°	3372	3534	3703
55°	3292	3484	3679
60°	3191	3415	3641
65°	3049	3321	3491
70°	2841	3136	3277
75°	2539	2829	2989
80°	2080	2385	2614
85°	1396	1744	1945

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3710 cd/sqm

TEST NUMBER: P1584536

CATALOG NUMBER: 14CZSP-A-35-L840-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.6	3.3
10°-20°	302.7	9.4
20°-30°	458.3	14.2
30°-40°	553.5	17.2
40°-50°	578.4	17.9
50°-60°	530.1	16.4
60°-70°	409.2	12.7
70°-80°	230.2	7.1
80°-90°	55.1	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°	866.6	26.9
0°-40°	1420.1	44.1
0°-60°	2528.6	78.5
0°-90°	3223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1115	1115	1115	1115	1115	
5°	1104	1112	1112	1112	1112	105
15°	1062	1070	1073	1077	1080	300
25°	979	988	995	1000	1009	451
35°	861	872	884	896	908	539
45°	720	734	750	766	778	556
55°	560	575	593	612	626	501
65°	382	399	416	433	438	378
75°	195	213	217	226	230	207
85°	36	41	45	49	50	46
90°	0	0	0	0	0	

TEST NUMBER: P1584536

CATALOG NUMBER: 14CZSP-A-35-L840-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1114.8	1114.8	1114.8	1114.8	1114.8
2.5°	1107.2	1115.8	1113.9	1116.7	1111.5
5°	1104.4	1112.5	1111.5	1112.5	1112.5
7.5°	1097.3	1105.8	1105.4	1106.8	1107.7
10°	1088.7	1096.8	1096.8	1098.2	1099.2
12.5°	1076.9	1085.4	1086.4	1088.7	1090.6
15°	1061.7	1070.2	1072.6	1076.9	1080.2
17.5°	1044.6	1053.6	1057.4	1061.7	1066.0
20°	1025.7	1033.7	1039.4	1042.7	1048.9
22.5°	1003.4	1012.4	1018.5	1021.9	1028.5
25°	979.2	987.7	994.8	1000.0	1008.6
27.5°	953.5	962.1	970.6	976.8	986.8
30°	925.1	934.1	943.1	952.6	961.6
32.5°	894.2	904.7	914.6	925.1	935.0
35°	861.0	871.9	884.3	896.1	908.0
37.5°	830.2	840.2	853.0	865.8	877.6
40°	794.6	805.5	820.2	834.5	846.8
42.5°	758.6	770.4	786.6	800.3	813.6
45°	719.7	733.9	750.5	765.7	778.5
47.5°	683.6	695.9	712.5	729.2	742.4
50°	643.3	657.0	674.1	691.7	706.4
52.5°	602.5	616.7	634.3	651.8	667.0
55°	560.3	575.0	593.0	611.5	626.2
57.5°	517.1	532.8	551.3	569.8	584.5
60°	473.5	489.1	506.7	527.1	540.3
62.5°	427.9	445.5	462.1	481.0	489.1
65°	382.4	399.0	416.5	433.1	437.9
67.5°	335.9	353.0	368.6	379.5	385.7
70°	288.4	306.9	318.3	328.8	332.6
72.5°	241.5	260.0	266.6	276.6	280.4
75°	195.0	213.0	217.3	226.3	229.6
77.5°	149.9	166.5	167.9	178.4	181.2
80°	107.2	120.5	122.9	132.8	134.7
82.5°	68.8	78.3	81.6	90.1	93.0
85°	36.1	41.3	45.1	49.3	50.3
87.5°	11.9	14.7	12.3	12.8	11.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584536

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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	16.31	17.96	16.68	18.28	18.59	16.85	18.50	17.22	18.82	19.13
	3H	18.09	19.58	18.46	19.91	20.27	18.71	20.20	19.08	20.53	20.89
	4H	18.71	20.12	19.11	20.47	20.84	19.38	20.78	19.77	21.13	21.51
	6H	19.12	20.43	19.53	20.79	21.18	19.85	21.16	20.26	21.52	21.91
	8H	19.22	20.47	19.65	20.86	21.26	20.00	21.25	20.42	21.63	22.03
	12H	19.27	20.47	19.70	20.85	21.28	20.08	21.28	20.51	21.66	22.09
4H	2H	17.04	18.44	17.43	18.79	19.16	17.46	18.86	17.86	19.21	19.59
	3H	19.03	20.21	19.44	20.61	21.01	19.53	20.71	19.94	21.11	21.51
	4H	19.79	20.86	20.22	21.27	21.70	20.33	21.39	20.76	21.81	22.24
	6H	20.31	21.25	20.77	21.69	22.14	20.93	21.86	21.38	22.30	22.76
	8H	20.45	21.33	20.91	21.77	22.23	21.12	21.99	21.58	22.43	22.90
	12H	20.53	21.32	21.01	21.79	22.26	21.24	22.03	21.72	22.50	22.97
8H	4H	20.12	21.00	20.58	21.44	21.90	20.60	21.48	21.06	21.92	22.38
	6H	20.76	21.49	21.26	21.98	22.45	21.31	22.04	21.81	22.53	23.00
	8H	20.96	21.62	21.47	22.12	22.61	21.57	22.22	22.08	22.73	23.21
	12H	21.09	21.67	21.60	22.16	22.72	21.75	22.33	22.26	22.82	23.38
12H	4H	20.16	20.95	20.64	21.42	21.89	20.63	21.41	21.10	21.89	22.35
	6H	20.82	21.47	21.33	21.98	22.46	21.35	22.00	21.86	22.51	22.99
	8H	21.07	21.65	21.58	22.14	22.70	21.66	22.23	22.16	22.72	23.28