

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: P1584244

Luminaire Tested: 14CZSP-35-L935-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584244
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-35-L935-S
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3000 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

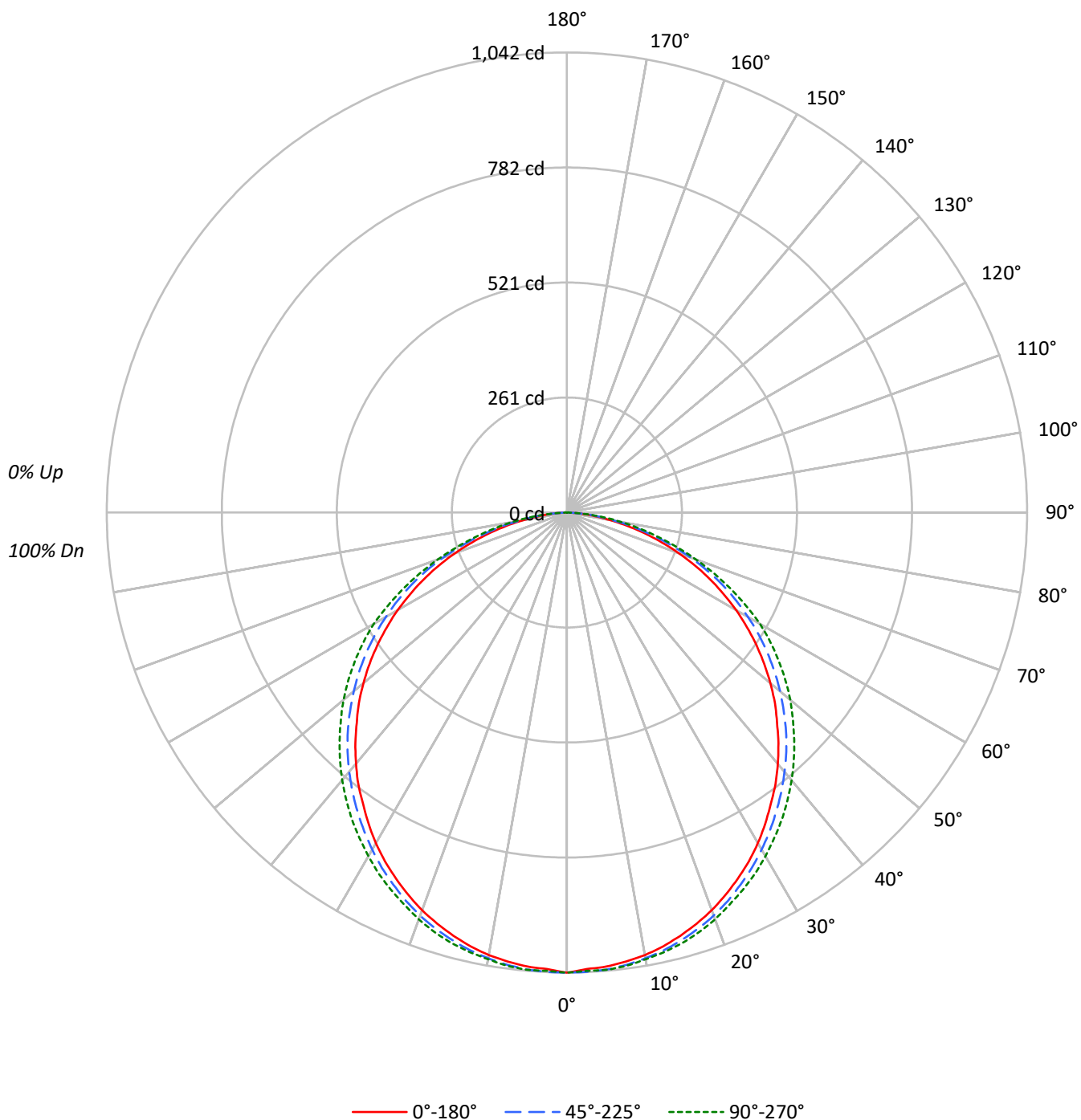
Lumens per Lamp: N/A
Luminaire Lumens: 3013.0 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584244

CATALOG NUMBER: 14CZSP-35-L935-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°	3512	3512	3512
5°	3492	3515	3518
10°	3482	3508	3516
15°	3462	3498	3523
20°	3438	3484	3516
25°	3403	3458	3506
30°	3365	3431	3498
35°	3311	3401	3492
40°	3267	3373	3482
45°	3206	3343	3468
50°	3153	3304	3462
55°	3077	3257	3439
60°	2983	3192	3404
65°	2850	3105	3263
70°	2656	2932	3063
75°	2373	2644	2794
80°	1944	2230	2445
85°	1303	1628	1817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3468 cd/sqm

TEST NUMBER: P1584244

CATALOG NUMBER: 14CZSP-35-L935-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	3.3
10°-20°	283.0	9.4
20°-30°	428.5	14.2
30°-40°	517.4	17.2
40°-50°	540.8	17.9
50°-60°	495.5	16.4
60°-70°	382.5	12.7
70°-80°	215.2	7.1
80°-90°	51.5	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°	810.2	26.9
0°-40°	1327.6	44.1
0°-60°	2363.9	78.5
0°-90°	3013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1042	1042	1042	1042	1042	
5°	1032	1040	1039	1040	1040	98
15°	992	1000	1003	1007	1010	280
25°	915	923	930	935	943	422
35°	805	815	827	838	849	504
45°	673	686	702	716	728	520
55°	524	538	554	572	585	468
65°	358	373	389	405	409	353
75°	182	199	203	212	215	193
85°	34	39	42	46	47	43
90°	0	0	0	0	0	

TEST NUMBER: P1584244

CATALOG NUMBER: 14CZSP-35-L935-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1042.2	1042.2	1042.2	1042.2	1042.2
2.5°	1035.1	1043.1	1041.3	1044.0	1039.1
5°	1032.4	1040.0	1039.1	1040.0	1040.0
7.5°	1025.8	1033.8	1033.3	1034.7	1035.5
10°	1017.8	1025.3	1025.3	1026.7	1027.6
12.5°	1006.7	1014.7	1015.6	1017.8	1019.6
15°	992.5	1000.5	1002.7	1006.7	1009.8
17.5°	976.6	985.0	988.5	992.5	996.5
20°	958.8	966.4	971.7	974.8	980.6
22.5°	938.0	946.4	952.2	955.3	961.5
25°	915.4	923.3	930.0	934.9	942.9
27.5°	891.4	899.4	907.4	913.1	922.5
30°	864.8	873.2	881.7	890.5	899.0
32.5°	836.0	845.7	855.0	864.8	874.1
35°	804.9	815.1	826.7	837.8	848.8
37.5°	776.1	785.4	797.4	809.4	820.5
40°	742.8	753.0	766.8	780.1	791.6
42.5°	709.1	720.2	735.3	748.2	760.6
45°	672.8	686.1	701.6	715.8	727.8
47.5°	639.1	650.6	666.1	681.6	694.1
50°	601.4	614.2	630.2	646.6	660.4
52.5°	563.2	576.5	592.9	609.4	623.5
55°	523.8	537.5	554.4	571.7	585.4
57.5°	483.4	498.0	515.3	532.6	546.4
60°	442.6	457.2	473.6	492.7	505.1
62.5°	400.0	416.4	432.0	449.7	457.2
65°	357.5	373.0	389.4	404.9	409.3
67.5°	314.0	330.0	344.6	354.8	360.6
70°	269.6	286.9	297.6	307.3	310.9
72.5°	225.7	243.0	249.2	258.6	262.1
75°	182.3	199.1	203.1	211.5	214.6
77.5°	140.1	155.7	157.0	166.8	169.4
80°	100.2	112.6	114.9	124.2	126.0
82.5°	64.3	73.2	76.3	84.3	86.9
85°	33.7	38.6	42.1	46.1	47.0
87.5°	11.1	13.7	11.5	12.0	11.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584244

CATALOG NUMBER: 14CZSP-35-L935-S

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	16.08	17.73	16.44	18.04	18.35	16.62	18.27	16.98	18.58	18.89
	3H	17.85	19.35	18.23	19.67	20.03	18.47	19.97	18.85	20.29	20.65
	4H	18.48	19.89	18.88	20.23	20.61	19.14	20.55	19.54	20.90	21.27
	6H	18.89	20.19	19.30	20.56	20.95	19.62	20.92	20.03	21.29	21.68
	8H	18.99	20.24	19.41	20.63	21.02	19.76	21.01	20.19	21.40	21.80
	12H	19.04	20.23	19.47	20.62	21.04	19.85	21.04	20.28	21.42	21.85
4H	2H	16.80	18.21	17.20	18.56	18.93	17.22	18.63	17.62	18.98	19.35
	3H	18.80	19.98	19.20	20.37	20.77	19.29	20.48	19.70	20.87	21.27
	4H	19.55	20.62	19.98	21.03	21.47	20.09	21.16	20.52	21.57	22.01
	6H	20.08	21.01	20.53	21.45	21.91	20.69	21.63	21.15	22.07	22.52
	8H	20.22	21.09	20.68	21.54	22.00	20.88	21.76	21.34	22.20	22.67
	12H	20.30	21.08	20.78	21.56	22.03	21.01	21.79	21.49	22.27	22.73
8H	4H	19.89	20.76	20.35	21.21	21.67	20.37	21.24	20.83	21.68	22.15
	6H	20.53	21.26	21.02	21.74	22.22	21.08	21.81	21.57	22.29	22.77
	8H	20.73	21.38	21.24	21.89	22.37	21.34	21.99	21.85	22.49	22.98
	12H	20.86	21.43	21.37	21.92	22.48	21.52	22.09	22.02	22.58	23.14
12H	4H	19.93	20.71	20.41	21.19	21.66	20.39	21.18	20.87	21.65	22.12
	6H	20.58	21.24	21.09	21.74	22.23	21.12	21.77	21.62	22.27	22.76
	8H	20.84	21.41	21.34	21.90	22.46	21.42	22.00	21.93	22.49	23.05