

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: P1584242

Luminaire Tested: 14CZSP-35-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584242
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-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3000 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

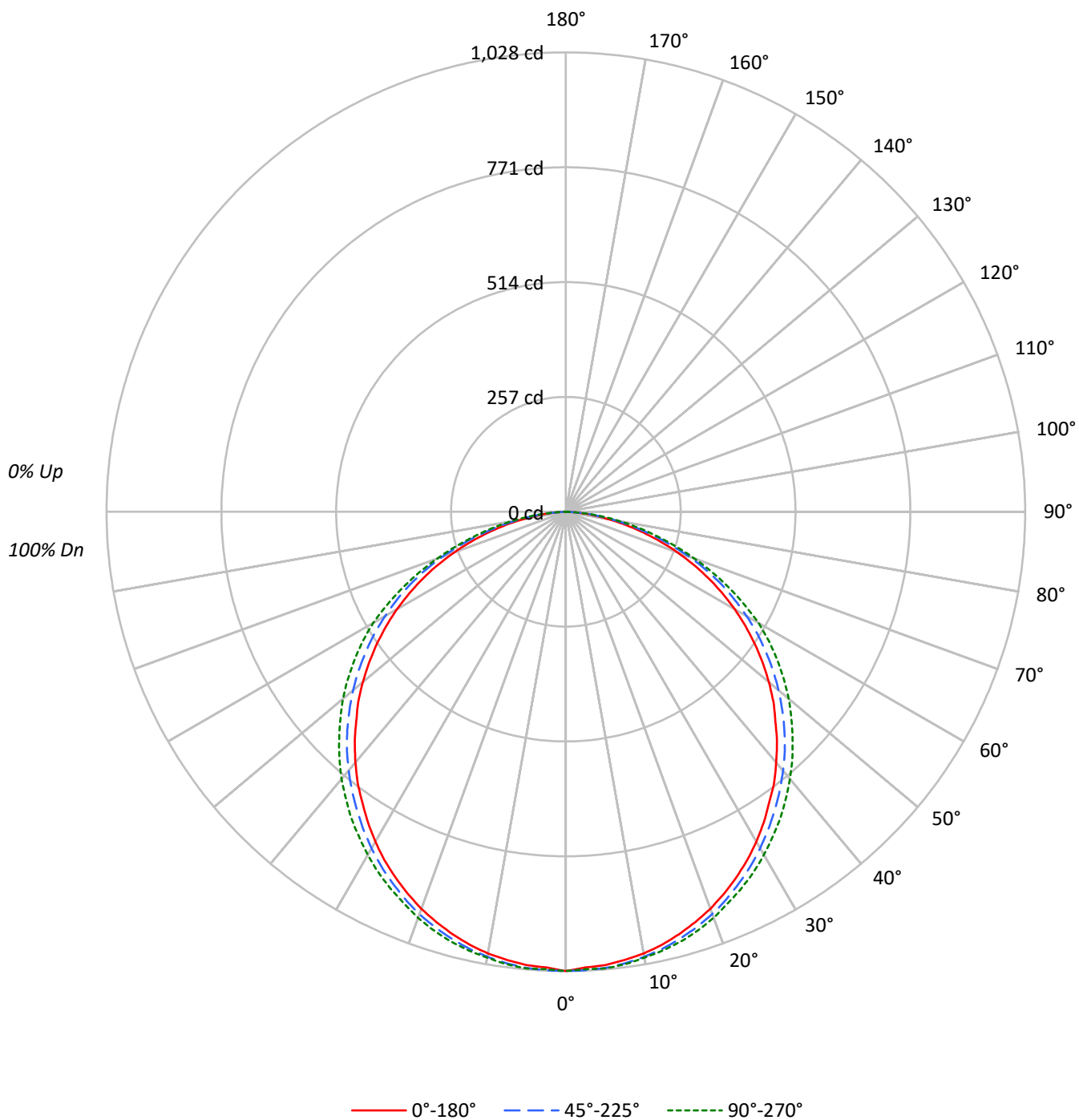
Lumens per Lamp: N/A
Luminaire Lumens: 2971.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584242

CATALOG NUMBER: 14CZSP-35-L930-S

Luminous Intensity Polar Plot



TEST NUMBER: P1584242

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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°	3463	3463	3463
5°	3444	3466	3469
10°	3434	3460	3467
15°	3414	3449	3473
20°	3390	3436	3467
25°	3356	3409	3457
30°	3318	3383	3449
35°	3265	3353	3443
40°	3222	3326	3434
45°	3161	3297	3420
50°	3109	3257	3414
55°	3034	3211	3391
60°	2941	3147	3357
65°	2811	3062	3218
70°	2620	2891	3021
75°	2340	2608	2756
80°	1917	2199	2410
85°	1284	1604	1794

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3420 cd/sqm

TEST NUMBER: P1584242

CATALOG NUMBER: 14CZSP-35-L930-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	3.3
10°-20°	279.0	9.4
20°-30°	422.5	14.2
30°-40°	510.2	17.2
40°-50°	533.2	17.9
50°-60°	488.6	16.4
60°-70°	377.2	12.7
70°-80°	212.2	7.1
80°-90°	50.8	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°	798.9	26.9
0°-40°	1309.1	44.1
0°-60°	2330.9	78.5
0°-90°	2971.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2971.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1028	1028	1028	1028	1028	
5°	1018	1026	1025	1026	1026	97
15°	979	987	989	993	996	276
25°	903	910	917	922	930	416
35°	794	804	815	826	837	497
45°	663	676	692	706	718	513
55°	516	530	547	564	577	461
65°	352	368	384	399	404	348
75°	180	196	200	209	212	191
85°	33	38	42	46	46	43
90°	0	0	0	0	0	

TEST NUMBER: P1584242

CATALOG NUMBER: 14CZSP-35-L930-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1027.7	1027.7	1027.7	1027.7	1027.7
2.5°	1020.7	1028.5	1026.8	1029.4	1024.6
5°	1018.1	1025.5	1024.6	1025.5	1025.5
7.5°	1011.5	1019.4	1018.9	1020.2	1021.1
10°	1003.6	1011.1	1011.1	1012.4	1013.2
12.5°	992.7	1000.6	1001.4	1003.6	1005.4
15°	978.7	986.6	988.8	992.7	995.7
17.5°	962.9	971.3	974.8	978.7	982.6
20°	945.5	952.9	958.1	961.2	966.9
22.5°	924.9	933.2	938.9	942.0	948.1
25°	902.6	910.5	917.0	921.8	929.7
27.5°	879.0	886.9	894.7	900.4	909.6
30°	852.7	861.1	869.4	878.1	886.4
32.5°	824.3	833.9	843.1	852.7	861.9
35°	793.7	803.8	815.1	826.1	837.0
37.5°	765.3	774.5	786.3	798.1	809.0
40°	732.5	742.5	756.1	769.2	780.6
42.5°	699.3	710.2	725.1	737.7	750.0
45°	663.4	676.5	691.8	705.8	717.6
47.5°	630.2	641.5	656.8	672.1	684.4
50°	593.0	605.7	621.4	637.6	651.2
52.5°	555.4	568.5	584.7	600.9	614.9
55°	516.5	530.0	546.6	563.7	577.2
57.5°	476.7	491.1	508.2	525.2	538.8
60°	436.4	450.9	467.0	485.8	498.1
62.5°	394.5	410.6	425.9	443.4	450.9
65°	352.5	367.8	384.0	399.3	403.6
67.5°	309.6	325.4	339.8	349.8	355.5
70°	265.9	282.9	293.4	303.1	306.6
72.5°	222.6	239.6	245.8	254.9	258.4
75°	179.7	196.4	200.3	208.6	211.7
77.5°	138.2	153.5	154.8	164.4	167.1
80°	98.8	111.1	113.3	122.4	124.2
82.5°	63.4	72.2	75.2	83.1	85.7
85°	33.2	38.0	41.5	45.5	46.4
87.5°	10.9	13.6	11.4	11.8	10.9
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584242

CATALOG NUMBER: 14CZSP-35-L930-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	16.03	17.68	16.39	17.99	18.31	16.57	18.22	16.93	18.53	18.85
	3H	17.80	19.30	18.18	19.62	19.98	18.42	19.92	18.80	20.24	20.60
	4H	18.43	19.84	18.83	20.18	20.56	19.09	20.50	19.49	20.85	21.22
	6H	18.84	20.14	19.25	20.51	20.90	19.57	20.87	19.98	21.24	21.63
	8H	18.94	20.19	19.37	20.58	20.98	19.72	20.96	20.14	21.35	21.75
	12H	18.99	20.19	19.42	20.57	21.00	19.80	20.99	20.23	21.38	21.80
4H	2H	16.75	18.16	17.15	18.51	18.88	17.17	18.58	17.57	18.93	19.30
	3H	18.75	19.93	19.16	20.32	20.72	19.25	20.43	19.66	20.82	21.22
	4H	19.50	20.57	19.94	20.99	21.42	20.04	21.11	20.47	21.52	21.96
	6H	20.03	20.97	20.49	21.41	21.86	20.65	21.58	21.10	22.02	22.47
	8H	20.17	21.05	20.63	21.49	21.95	20.84	21.71	21.30	22.15	22.62
	12H	20.25	21.04	20.73	21.51	21.98	20.96	21.74	21.44	22.22	22.69
8H	4H	19.84	20.71	20.30	21.16	21.62	20.32	21.19	20.78	21.63	22.10
	6H	20.48	21.21	20.97	21.70	22.17	21.03	21.76	21.52	22.24	22.72
	8H	20.68	21.33	21.19	21.84	22.32	21.29	21.94	21.80	22.44	22.93
	12H	20.81	21.39	21.32	21.88	22.44	21.47	22.04	21.98	22.53	23.09
12H	4H	19.88	20.66	20.36	21.14	21.61	20.34	21.13	20.82	21.60	22.07
	6H	20.54	21.19	21.04	21.69	22.18	21.07	21.72	21.58	22.23	22.71
	8H	20.79	21.36	21.29	21.85	22.41	21.38	21.95	21.88	22.44	23.00