

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: P1584262

Luminaire Tested: 14CZSP-37HE-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584262
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-37HE-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

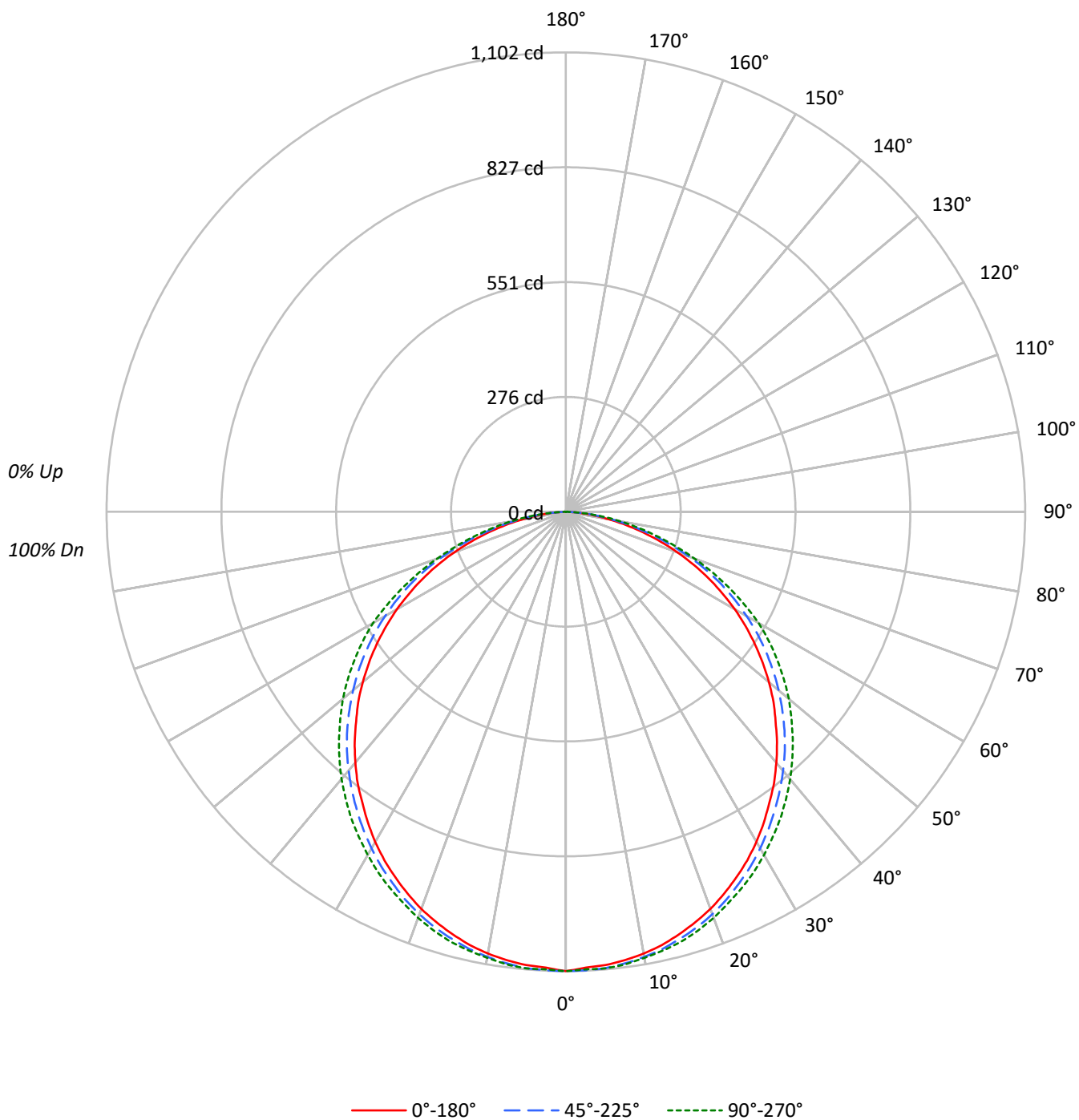
Lumens per Lamp: N/A
Luminaire Lumens: 3186.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 24.7
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: P1584262

CATALOG NUMBER: 14CZSP-37HE-L930-S

Luminous Intensity Polar Plot



TEST NUMBER: P1584262

CATALOG NUMBER: 14CZSP-37HE-L930-S

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°	3713	3713	3713
5°	3693	3717	3720
10°	3682	3710	3718
15°	3661	3699	3725
20°	3636	3684	3718
25°	3599	3656	3707
30°	3558	3627	3699
35°	3501	3596	3692
40°	3455	3566	3682
45°	3390	3535	3667
50°	3333	3493	3661
55°	3253	3444	3636
60°	3154	3375	3599
65°	3014	3283	3451
70°	2809	3100	3238
75°	2509	2796	2955
80°	2057	2358	2585
85°	1376	1724	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3667 cd/sqm

TEST NUMBER: P1584262

CATALOG NUMBER: 14CZSP-37HE-L930-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	3.3
10°-20°	299.2	9.4
20°-30°	453.1	14.2
30°-40°	547.1	17.2
40°-50°	571.8	17.9
50°-60°	524.0	16.4
60°-70°	404.5	12.7
70°-80°	227.5	7.1
80°-90°	54.4	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°	856.7	26.9
0°-40°	1403.8	44.1
0°-60°	2499.6	78.5
0°-90°	3186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1092	1100	1099	1100	1100	104
15°	1050	1058	1060	1064	1068	296
25°	968	976	983	989	997	446
35°	851	862	874	886	898	533
45°	711	726	742	757	770	550
55°	554	568	586	604	619	495
65°	378	394	412	428	433	373
75°	193	211	215	224	227	204
85°	36	41	45	49	50	46
90°	0	0	0	0	0	

TEST NUMBER: P1584262

CATALOG NUMBER: 14CZSP-37HE-L930-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1102.0	1102.0	1102.0	1102.0	1102.0
2.5°	1094.5	1103.0	1101.1	1103.9	1098.8
5°	1091.7	1099.7	1098.8	1099.7	1099.7
7.5°	1084.7	1093.1	1092.7	1094.1	1095.0
10°	1076.2	1084.2	1084.2	1085.6	1086.6
12.5°	1064.5	1073.0	1073.9	1076.2	1078.1
15°	1049.5	1058.0	1060.3	1064.5	1067.8
17.5°	1032.6	1041.5	1045.3	1049.5	1053.7
20°	1013.9	1021.8	1027.5	1030.8	1036.9
22.5°	991.8	1000.7	1006.8	1010.1	1016.7
25°	967.9	976.4	983.4	988.6	997.0
27.5°	942.6	951.0	959.5	965.6	975.4
30°	914.5	923.4	932.3	941.7	950.6
32.5°	884.0	894.3	904.1	914.5	924.3
35°	851.2	861.9	874.1	885.9	897.6
37.5°	820.7	830.5	843.2	855.8	867.6
40°	785.5	796.3	810.8	824.9	837.1
42.5°	749.9	761.6	777.5	791.1	804.3
45°	711.4	725.5	741.9	756.9	769.6
47.5°	675.8	688.0	704.4	720.8	733.9
50°	635.9	649.5	666.4	683.7	698.3
52.5°	595.6	609.6	627.0	644.3	659.3
55°	553.8	568.4	586.2	604.5	619.0
57.5°	511.2	526.6	544.9	563.2	577.8
60°	468.0	483.5	500.8	521.0	534.1
62.5°	423.0	440.3	456.8	475.5	483.5
65°	378.0	394.4	411.7	428.2	432.8
67.5°	332.0	348.9	364.4	375.2	381.3
70°	285.1	303.4	314.7	325.0	328.7
72.5°	238.7	257.0	263.6	273.4	277.2
75°	192.7	210.6	214.8	223.7	227.0
77.5°	148.2	164.6	166.0	176.3	179.1
80°	106.0	119.1	121.5	131.3	133.2
82.5°	68.0	77.4	80.7	89.1	91.9
85°	35.6	40.8	44.6	48.8	49.7
87.5°	11.7	14.5	12.2	12.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584262

CATALOG NUMBER: 14CZSP-37HE-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	16.27	17.92	16.64	18.23	18.55	16.81	18.46	17.18	18.77	19.09
	3H	18.05	19.54	18.42	19.87	20.23	18.67	20.16	19.04	20.49	20.85
	4H	18.67	20.08	19.07	20.43	20.80	19.34	20.74	19.73	21.09	21.47
	6H	19.08	20.39	19.49	20.75	21.14	19.81	21.12	20.22	21.48	21.87
	8H	19.18	20.43	19.61	20.82	21.22	19.96	21.21	20.38	21.59	21.99
	12H	19.23	20.43	19.66	20.81	21.24	20.04	21.24	20.47	21.62	22.05
4H	2H	16.99	18.40	17.39	18.75	19.12	17.42	18.82	17.81	19.17	19.55
	3H	18.99	20.17	19.40	20.57	20.97	19.49	20.67	19.90	21.07	21.47
	4H	19.75	20.82	20.18	21.23	21.66	20.29	21.35	20.72	21.77	22.20
	6H	20.27	21.21	20.73	21.65	22.10	20.89	21.82	21.34	22.26	22.72
	8H	20.41	21.29	20.87	21.73	22.19	21.08	21.95	21.54	22.39	22.86
	12H	20.49	21.28	20.97	21.75	22.22	21.20	21.99	21.68	22.46	22.93
8H	4H	20.08	20.96	20.54	21.40	21.86	20.56	21.43	21.02	21.88	22.34
	6H	20.72	21.45	21.22	21.94	22.41	21.27	22.00	21.77	22.49	22.96
	8H	20.92	21.58	21.43	22.08	22.57	21.53	22.18	22.04	22.69	23.17
	12H	21.05	21.63	21.56	22.12	22.68	21.71	22.29	22.22	22.78	23.34
12H	4H	20.12	20.91	20.60	21.38	21.85	20.59	21.37	21.06	21.85	22.31
	6H	20.78	21.43	21.29	21.94	22.42	21.31	21.96	21.82	22.47	22.95
	8H	21.03	21.61	21.54	22.10	22.66	21.62	22.19	22.12	22.68	23.24