

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: P1584282

Luminaire Tested: 14CZSP-42-L930-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584282
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-42-L930-S
Description: 1x4 CZSP LED Luminaire, 3000K CCT and 3500 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

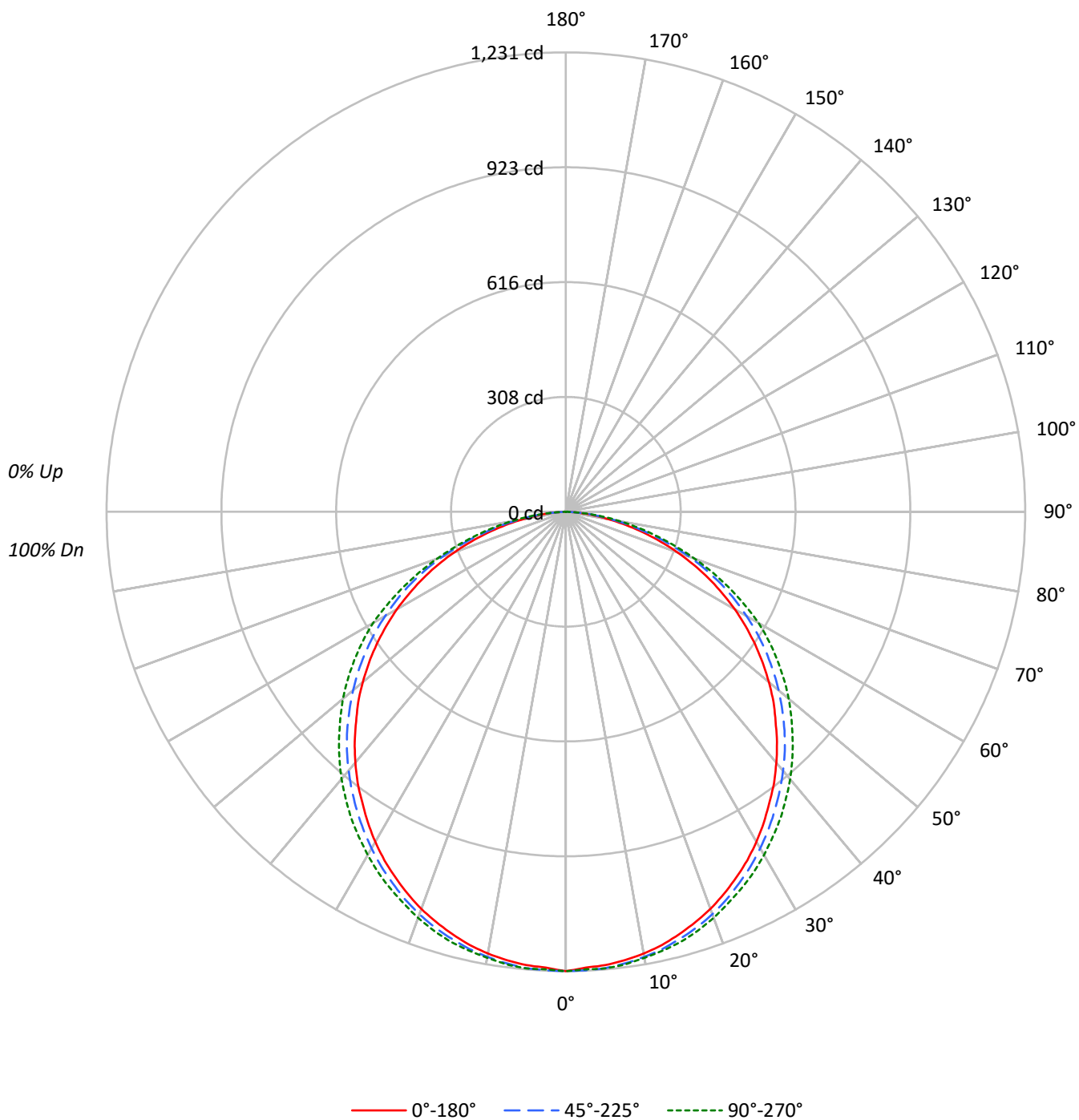
Lumens per Lamp: N/A
Luminaire Lumens: 3559.0 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

Input Watts (W): 28.5
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: P1584282

CATALOG NUMBER: 14CZSP-42-L930-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°	4148	4148	4148
5°	4125	4152	4155
10°	4113	4144	4153
15°	4090	4132	4161
20°	4061	4116	4153
25°	4020	4084	4141
30°	3975	4052	4132
35°	3911	4017	4125
40°	3860	3984	4113
45°	3787	3949	4096
50°	3723	3902	4089
55°	3635	3847	4062
60°	3523	3771	4021
65°	3366	3667	3855
70°	3138	3463	3618
75°	2803	3123	3300
80°	2298	2633	2887
85°	1539	1925	2146

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4096 cd/sqm

TEST NUMBER: P1584282

CATALOG NUMBER: 14CZSP-42-L930-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	3.3
10°-20°	334.2	9.4
20°-30°	506.1	14.2
30°-40°	611.2	17.2
40°-50°	638.7	17.9
50°-60°	585.3	16.4
60°-70°	451.8	12.7
70°-80°	254.1	7.1
80°-90°	60.8	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°	957.0	26.9
0°-40°	1568.2	44.1
0°-60°	2792.2	78.5
0°-90°	3559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3559.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1220	1228	1227	1228	1228	116
15°	1172	1182	1184	1189	1193	331
25°	1081	1091	1098	1104	1114	498
35°	951	963	976	990	1003	596
45°	795	810	829	846	860	614
55°	619	635	655	675	692	553
65°	422	441	460	478	484	417
75°	215	235	240	250	254	228
85°	40	46	50	54	56	51
90°	0	0	0	0	0	

TEST NUMBER: P1584282

CATALOG NUMBER: 14CZSP-42-L930-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1231.1	1231.1	1231.1	1231.1	1231.1
2.5°	1222.7	1232.1	1230.0	1233.2	1227.4
5°	1219.5	1228.4	1227.4	1228.4	1228.4
7.5°	1211.7	1221.1	1220.6	1222.2	1223.2
10°	1202.2	1211.2	1211.2	1212.7	1213.8
12.5°	1189.2	1198.6	1199.6	1202.2	1204.3
15°	1172.4	1181.8	1184.4	1189.2	1192.8
17.5°	1153.5	1163.5	1167.7	1172.4	1177.1
20°	1132.6	1141.5	1147.8	1151.4	1158.2
22.5°	1108.0	1117.9	1124.7	1128.4	1135.7
25°	1081.2	1090.7	1098.5	1104.3	1113.7
27.5°	1053.0	1062.4	1071.8	1078.6	1089.6
30°	1021.5	1031.5	1041.4	1051.9	1061.9
32.5°	987.5	999.0	1010.0	1021.5	1032.5
35°	950.8	962.8	976.5	989.6	1002.7
37.5°	916.7	927.7	941.9	956.0	969.1
40°	877.5	889.5	905.7	921.5	935.1
42.5°	837.6	850.7	868.6	883.7	898.4
45°	794.7	810.4	828.7	845.5	859.6
47.5°	754.9	768.5	786.8	805.2	819.8
50°	710.3	725.5	744.4	763.8	780.0
52.5°	665.3	681.0	700.4	719.8	736.5
55°	618.7	634.9	654.8	675.3	691.5
57.5°	571.0	588.3	608.7	629.2	645.4
60°	522.8	540.1	559.5	582.0	596.7
62.5°	472.5	491.9	510.2	531.2	540.1
65°	422.2	440.6	459.9	478.3	483.5
67.5°	370.9	389.7	407.0	419.1	425.9
70°	318.5	338.9	351.5	363.0	367.2
72.5°	266.6	287.1	294.4	305.4	309.6
75°	215.3	235.2	239.9	249.9	253.5
77.5°	165.5	183.9	185.4	197.0	200.1
80°	118.4	133.1	135.7	146.7	148.8
82.5°	76.0	86.4	90.1	99.5	102.7
85°	39.8	45.6	49.8	54.5	55.5
87.5°	13.1	16.2	13.6	14.1	13.1
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584282

CATALOG NUMBER: 14CZSP-42-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	16.66	18.31	17.02	18.62	18.93	17.20	18.85	17.56	19.16	19.47
	3H	18.43	19.92	18.81	20.25	20.61	19.05	20.55	19.43	20.87	21.23
	4H	19.06	20.46	19.45	20.81	21.19	19.72	21.13	20.12	21.48	21.85
	6H	19.47	20.77	19.88	21.13	21.52	20.20	21.50	20.61	21.87	22.26
	8H	19.57	20.82	19.99	21.20	21.60	20.34	21.59	20.77	21.98	22.38
	12H	19.62	20.81	20.05	21.20	21.62	20.43	21.62	20.86	22.00	22.43
4H	2H	17.38	18.79	17.78	19.13	19.51	17.80	19.21	18.20	19.56	19.93
	3H	19.37	20.55	19.78	20.95	21.35	19.87	21.05	20.28	21.45	21.85
	4H	20.13	21.20	20.56	21.61	22.05	20.67	21.74	21.10	22.15	22.59
	6H	20.66	21.59	21.11	22.03	22.49	21.27	22.21	21.73	22.65	23.10
	8H	20.80	21.67	21.26	22.11	22.58	21.46	22.34	21.92	22.78	23.24
	12H	20.88	21.66	21.36	22.14	22.61	21.58	22.37	22.06	22.84	23.31
8H	4H	20.47	21.34	20.93	21.78	22.25	20.95	21.82	21.41	22.26	22.73
	6H	21.11	21.83	21.60	22.32	22.80	21.66	22.38	22.15	22.87	23.35
	8H	21.31	21.96	21.82	22.47	22.95	21.92	22.57	22.42	23.07	23.56
	12H	21.44	22.01	21.94	22.50	23.06	22.10	22.67	22.60	23.16	23.72
12H	4H	20.51	21.29	20.99	21.77	22.23	20.97	21.75	21.45	22.23	22.70
	6H	21.16	21.82	21.67	22.32	22.81	21.69	22.35	22.20	22.85	23.34
	8H	21.42	21.99	21.92	22.48	23.04	22.00	22.58	22.51	23.07	23.63