

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: P1584570

Luminaire Tested: 14CZSP-A-37HE-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584570
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-37HE-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Smooth Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

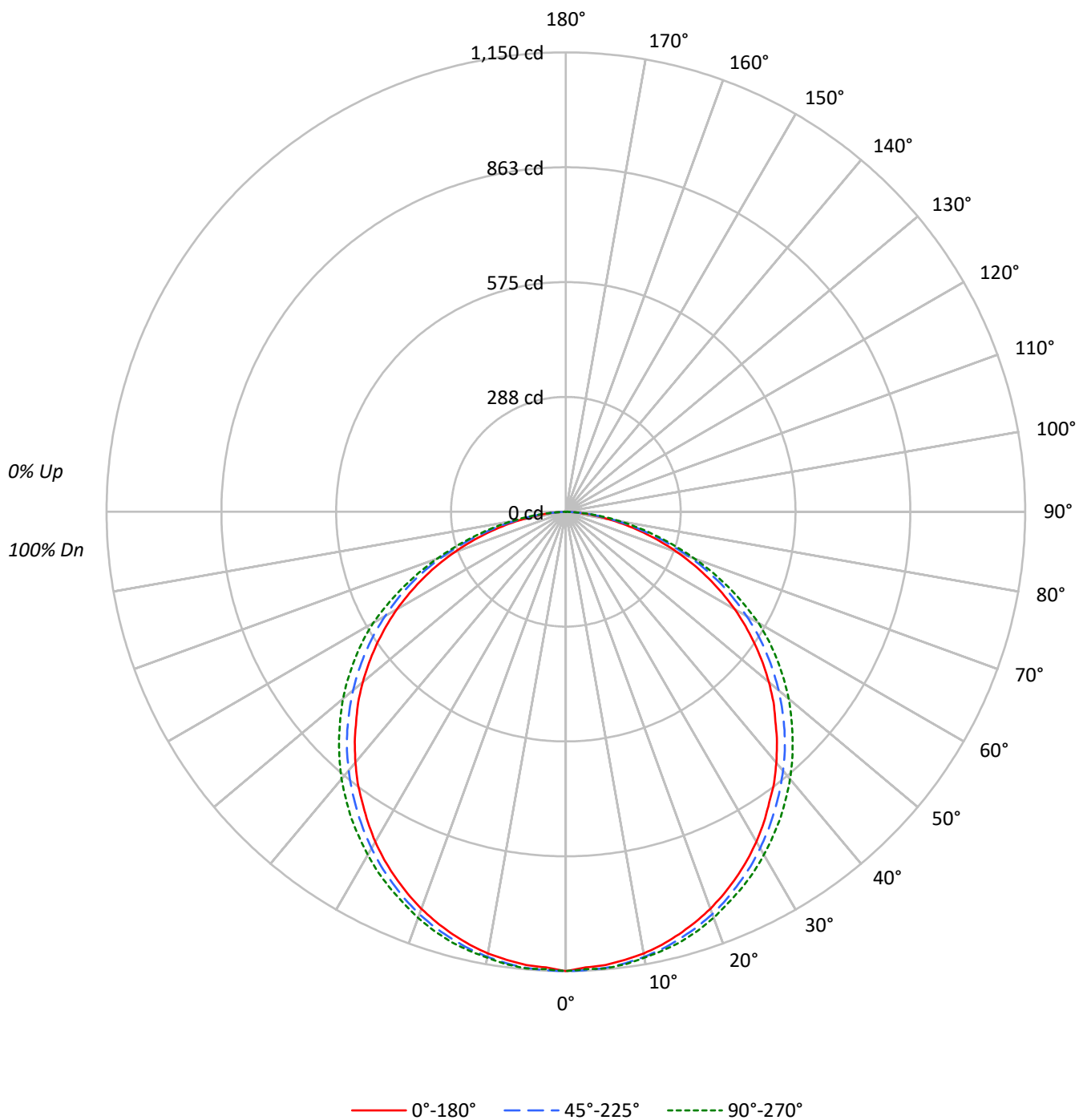
Lumens per Lamp: N/A
Luminaire Lumens: 3324.0 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584570

CATALOG NUMBER: 14CZSP-A-37HE-L950-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			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°	3874	3874	3874
5°	3853	3877	3881
10°	3842	3870	3879
15°	3820	3859	3886
20°	3793	3844	3879
25°	3754	3815	3867
30°	3712	3785	3859
35°	3653	3752	3852
40°	3605	3721	3841
45°	3537	3688	3826
50°	3478	3644	3819
55°	3394	3593	3794
60°	3291	3521	3756
65°	3144	3425	3601
70°	2931	3234	3379
75°	2618	2918	3083
80°	2146	2459	2697
85°	1438	1798	2007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3826 cd/sqm

TEST NUMBER: P1584570

CATALOG NUMBER: 14CZSP-A-37HE-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.9	3.3
10°-20°	312.2	9.4
20°-30°	472.7	14.2
30°-40°	570.8	17.2
40°-50°	596.6	17.9
50°-60°	546.7	16.4
60°-70°	422.0	12.7
70°-80°	237.4	7.1
80°-90°	56.8	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°	893.8	26.9
0°-40°	1464.6	44.1
0°-60°	2607.9	78.5
0°-90°	3324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1139	1147	1146	1147	1147	108
15°	1095	1104	1106	1111	1114	309
25°	1010	1019	1026	1031	1040	465
35°	888	899	912	924	936	556
45°	742	757	774	790	803	574
55°	578	593	612	631	646	516
65°	394	412	430	447	452	390
75°	201	220	224	233	237	213
85°	37	43	46	51	52	48
90°	0	0	0	0	0	

TEST NUMBER: P1584570

CATALOG NUMBER: 14CZSP-A-37HE-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1149.8	1149.8	1149.8	1149.8	1149.8
2.5°	1141.9	1150.8	1148.8	1151.7	1146.3
5°	1139.0	1147.3	1146.3	1147.3	1147.3
7.5°	1131.7	1140.5	1140.0	1141.5	1142.4
10°	1122.9	1131.2	1131.2	1132.7	1133.6
12.5°	1110.6	1119.4	1120.4	1122.9	1124.8
15°	1095.0	1103.8	1106.2	1110.6	1114.1
17.5°	1077.4	1086.7	1090.6	1095.0	1099.4
20°	1057.8	1066.1	1072.0	1075.4	1081.8
22.5°	1034.8	1044.1	1050.5	1053.9	1060.7
25°	1009.8	1018.7	1026.0	1031.4	1040.2
27.5°	983.4	992.2	1001.0	1007.4	1017.7
30°	954.1	963.4	972.7	982.4	991.7
32.5°	922.3	933.0	943.3	954.1	964.3
35°	888.0	899.3	912.0	924.2	936.5
37.5°	856.2	866.5	879.7	892.9	905.1
40°	819.5	830.8	845.9	860.6	873.3
42.5°	782.3	794.6	811.2	825.4	839.1
45°	742.2	756.9	774.0	789.7	802.9
47.5°	705.0	717.8	734.9	752.0	765.7
50°	663.4	677.6	695.2	713.3	728.5
52.5°	621.4	636.0	654.1	672.3	687.9
55°	577.8	593.0	611.6	630.7	645.8
57.5°	533.3	549.4	568.5	587.6	602.8
60°	488.3	504.4	522.5	543.6	557.3
62.5°	441.3	459.4	476.5	496.1	504.4
65°	394.3	411.5	429.6	446.7	451.6
67.5°	346.4	364.0	380.2	391.4	397.8
70°	297.5	316.6	328.3	339.1	343.0
72.5°	249.0	268.1	275.0	285.2	289.2
75°	201.1	219.7	224.1	233.4	236.8
77.5°	154.6	171.7	173.2	184.0	186.9
80°	110.6	124.3	126.7	137.0	139.0
82.5°	70.9	80.7	84.2	93.0	95.9
85°	37.2	42.6	46.5	50.9	51.9
87.5°	12.2	15.2	12.7	13.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584570

CATALOG NUMBER: 14CZSP-A-37HE-L950-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	16.42	18.07	16.78	18.38	18.70	16.96	18.61	17.32	18.92	19.24
	3H	18.19	19.69	18.57	20.01	20.37	18.81	20.31	19.19	20.63	20.99
	4H	18.82	20.23	19.22	20.57	20.95	19.48	20.89	19.88	21.24	21.61
	6H	19.23	20.53	19.64	20.90	21.29	19.96	21.27	20.37	21.63	22.02
	8H	19.33	20.58	19.76	20.97	21.37	20.11	21.35	20.53	21.74	22.14
	12H	19.38	20.58	19.81	20.96	21.39	20.19	21.38	20.62	21.77	22.19
4H	2H	17.14	18.55	17.54	18.90	19.27	17.56	18.97	17.96	19.32	19.69
	3H	19.14	20.32	19.55	20.71	21.11	19.64	20.82	20.05	21.21	21.61
	4H	19.89	20.96	20.33	21.38	21.81	20.43	21.50	20.86	21.91	22.35
	6H	20.42	21.36	20.88	21.80	22.25	21.04	21.97	21.49	22.41	22.86
	8H	20.56	21.43	21.02	21.88	22.34	21.23	22.10	21.69	22.54	23.01
	12H	20.64	21.43	21.12	21.90	22.37	21.35	22.13	21.83	22.61	23.08
8H	4H	20.23	21.10	20.69	21.55	22.01	20.71	21.58	21.17	22.02	22.49
	6H	20.87	21.60	21.36	22.08	22.56	21.42	22.15	21.91	22.63	23.11
	8H	21.07	21.72	21.58	22.23	22.71	21.68	22.33	22.19	22.84	23.32
	12H	21.20	21.78	21.71	22.27	22.83	21.86	22.44	22.37	22.93	23.49
12H	4H	20.27	21.05	20.75	21.53	22.00	20.73	21.52	21.21	21.99	22.46
	6H	20.93	21.58	21.43	22.08	22.57	21.46	22.11	21.97	22.62	23.10
	8H	21.18	21.75	21.68	22.24	22.80	21.77	22.34	22.27	22.83	23.39