

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: P1584290

Luminaire Tested: 14CZSP-42-L950-S

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584290
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-L950-S
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Smooth Lens
Light Source: -
Ballast/Driver: -

Summary

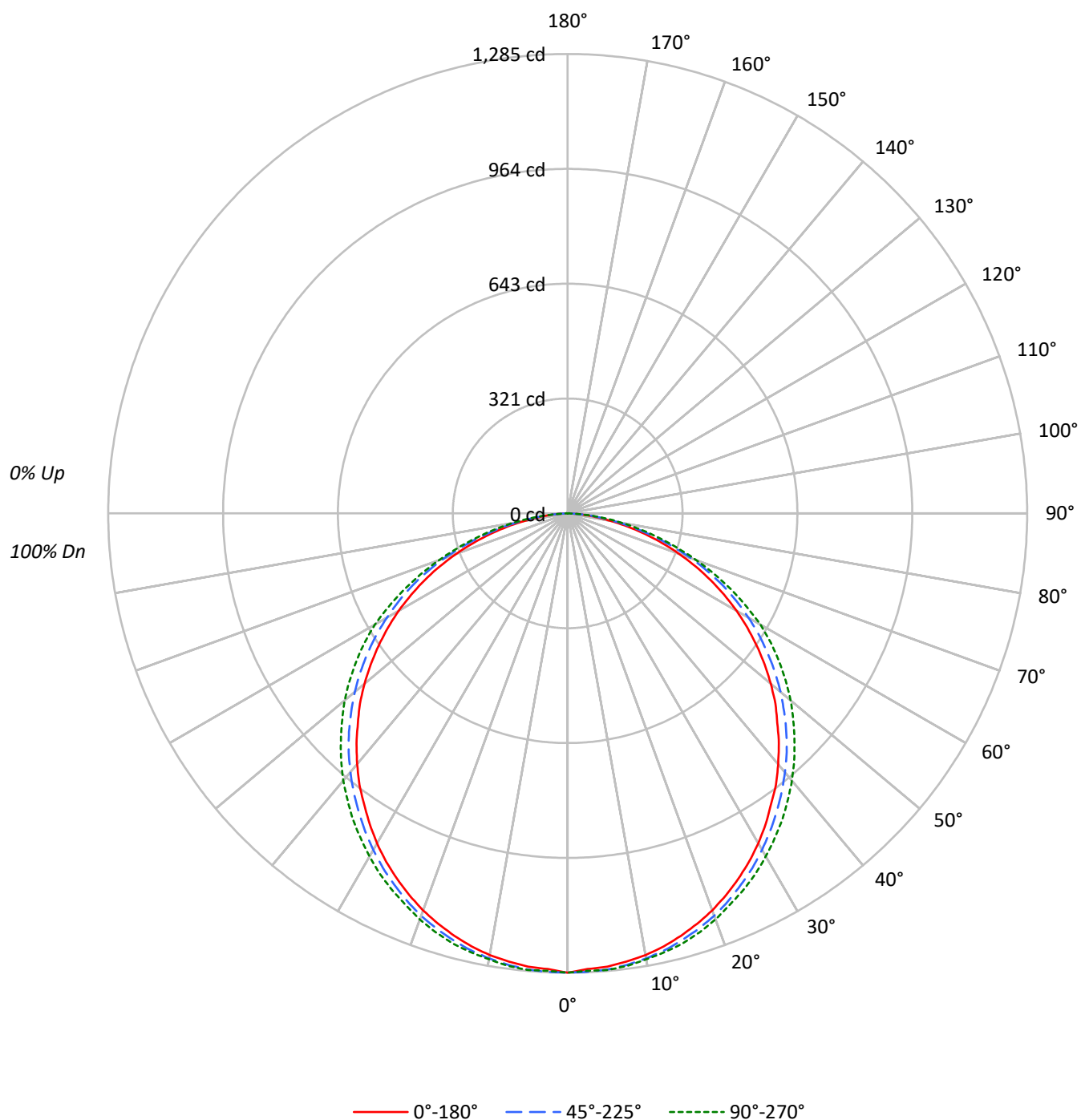
Lumens per Lamp: N/A
Luminaire Lumens: 3714.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.28 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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: P1584290

CATALOG NUMBER: 14CZSP-42-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
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°	4329	4329	4329
5°	4305	4332	4336
10°	4293	4325	4334
15°	4268	4312	4342
20°	4238	4295	4334
25°	4195	4262	4321
30°	4148	4229	4311
35°	4081	4192	4304
40°	4028	4158	4292
45°	3952	4121	4275
50°	3886	4072	4267
55°	3793	4014	4239
60°	3677	3934	4196
65°	3513	3827	4023
70°	3275	3614	3775
75°	2925	3260	3445
80°	2396	2748	3014
85°	1604	2007	2239

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4275 cd/sqm

TEST NUMBER: P1584290

CATALOG NUMBER: 14CZSP-42-L950-S

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	3.3
10°-20°	348.8	9.4
20°-30°	528.2	14.2
30°-40°	637.8	17.2
40°-50°	666.6	17.9
50°-60°	610.8	16.4
60°-70°	471.5	12.7
70°-80°	265.2	7.1
80°-90°	63.5	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°	998.6	26.9
0°-40°	1636.5	44.1
0°-60°	2913.8	78.5
0°-90°	3714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1285	1285	1285	1285	1285	
5°	1273	1282	1281	1282	1282	121
15°	1223	1233	1236	1241	1245	345
25°	1128	1138	1146	1152	1162	520
35°	992	1005	1019	1033	1046	622
45°	829	846	865	882	897	641
55°	646	663	683	705	722	577
65°	441	460	480	499	505	435
75°	225	246	250	261	265	238
85°	42	48	52	57	58	53
90°	0	0	0	0	0	

TEST NUMBER: P1584290

CATALOG NUMBER: 14CZSP-42-L950-S

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1284.7	1284.7	1284.7	1284.7	1284.7
2.5°	1275.9	1285.8	1283.6	1286.9	1280.8
5°	1272.6	1281.9	1280.8	1281.9	1281.9
7.5°	1264.4	1274.3	1273.7	1275.4	1276.5
10°	1254.6	1263.9	1263.9	1265.5	1266.6
12.5°	1240.9	1250.8	1251.9	1254.6	1256.8
15°	1223.4	1233.3	1236.0	1240.9	1244.8
17.5°	1203.8	1214.2	1218.5	1223.4	1228.4
20°	1181.9	1191.2	1197.8	1201.6	1208.7
22.5°	1156.2	1166.6	1173.7	1177.5	1185.2
25°	1128.3	1138.2	1146.4	1152.4	1162.2
27.5°	1098.8	1108.6	1118.5	1125.6	1137.1
30°	1066.0	1076.4	1086.8	1097.7	1108.1
32.5°	1030.5	1042.5	1054.0	1066.0	1077.5
35°	992.2	1004.8	1019.0	1032.7	1046.3
37.5°	956.7	968.2	982.9	997.7	1011.3
40°	915.7	928.2	945.2	961.6	975.8
42.5°	874.1	887.8	906.4	922.2	937.5
45°	829.3	845.7	864.8	882.3	897.1
47.5°	787.8	802.0	821.1	840.2	855.5
50°	741.3	757.1	776.8	797.0	814.0
52.5°	694.3	710.7	730.9	751.1	768.6
55°	645.6	662.6	683.3	704.7	721.6
57.5°	595.9	613.9	635.2	656.6	673.5
60°	545.6	563.6	583.8	607.4	622.7
62.5°	493.1	513.3	532.5	554.3	563.6
65°	440.6	459.7	480.0	499.1	504.6
67.5°	387.0	406.7	424.8	437.3	444.4
70°	332.4	353.7	366.8	378.8	383.2
72.5°	278.3	299.6	307.2	318.7	323.1
75°	224.7	245.5	250.4	260.8	264.6
77.5°	172.7	191.9	193.5	205.5	208.8
80°	123.5	138.9	141.6	153.1	155.3
82.5°	79.3	90.2	94.0	103.9	107.1
85°	41.5	47.6	51.9	56.9	57.9
87.5°	13.7	16.9	14.2	14.8	13.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584290

CATALOG NUMBER: 14CZSP-42-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	16.80	18.45	17.17	18.77	19.08	17.34	18.99	17.71	19.31	19.62
	3H	18.58	20.07	18.96	20.40	20.76	19.20	20.69	19.58	21.02	21.38
	4H	19.21	20.61	19.60	20.96	21.33	19.87	21.28	20.27	21.62	22.00
	6H	19.61	20.92	20.02	21.28	21.67	20.35	21.65	20.76	22.01	22.40
	8H	19.72	20.96	20.14	21.35	21.75	20.49	21.74	20.92	22.13	22.53
	12H	19.77	20.96	20.20	21.34	21.77	20.57	21.77	21.00	22.15	22.58
4H	2H	17.53	18.93	17.93	19.28	19.66	17.95	19.36	18.35	19.70	20.08
	3H	19.52	20.70	19.93	21.10	21.50	20.02	21.20	20.43	21.60	22.00
	4H	20.28	21.35	20.71	21.76	22.20	20.82	21.89	21.25	22.30	22.73
	6H	20.81	21.74	21.26	22.18	22.64	21.42	22.35	21.87	22.79	23.25
	8H	20.95	21.82	21.41	22.26	22.73	21.61	22.49	22.07	22.93	23.39
	12H	21.03	21.81	21.50	22.29	22.75	21.73	22.52	22.21	22.99	23.46
8H	4H	20.62	21.49	21.08	21.93	22.40	21.09	21.97	21.55	22.41	22.87
	6H	21.26	21.98	21.75	22.47	22.95	21.81	22.53	22.30	23.02	23.49
	8H	21.46	22.11	21.97	22.61	23.10	22.06	22.71	22.57	23.22	23.71
	12H	21.59	22.16	22.09	22.65	23.21	22.25	22.82	22.75	23.31	23.87
12H	4H	20.65	21.44	21.13	21.91	22.38	21.12	21.90	21.60	22.38	22.85
	6H	21.31	21.96	21.82	22.47	22.96	21.84	22.50	22.35	23.00	23.49
	8H	21.56	22.14	22.07	22.63	23.19	22.15	22.73	22.66	23.22	23.78