

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: P1584571

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

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2602-698-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 14CZSP-A-37HE-L950
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

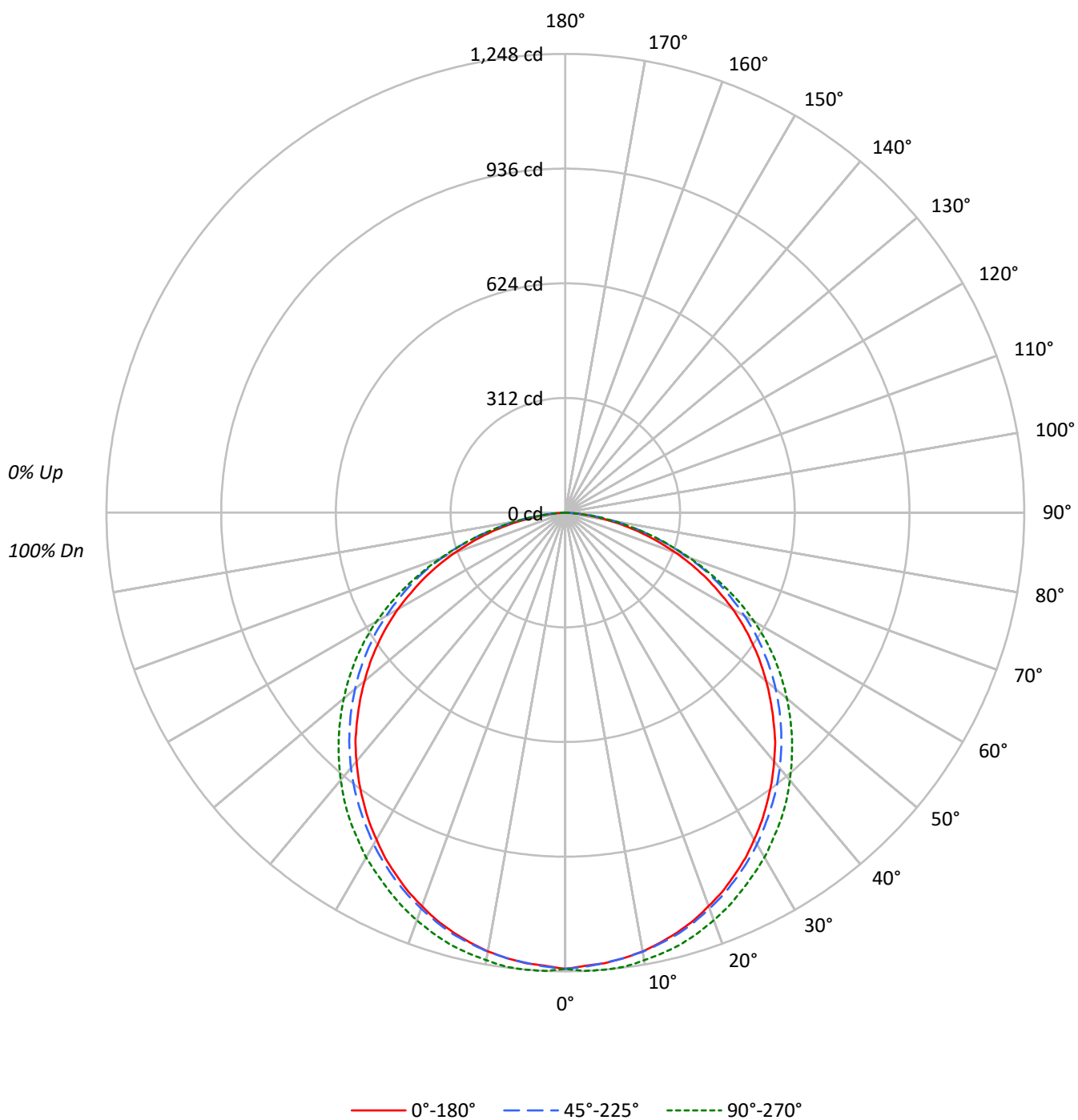
Lumens per Lamp: N/A
Luminaire Lumens: 3575.0 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

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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		94	91	88		90
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69
4	82	70	61	55	80	69	61	54	66	59	53		64	58	53		62
5	76	63	54	47	73	61	53	47	59	52	46		57	51	46		55
6	70	56	47	41	68	55	47	41	54	46	40		52	45	40		50
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46
8	60	47	38	32	59	46	38	32	44	37	32		43	36	32		42
9	56	43	34	29	55	42	34	29	41	34	29		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°	4182	4182	4182
5°	4162	4158	4222
10°	4147	4151	4230
15°	4122	4138	4240
20°	4086	4111	4232
25°	4045	4084	4219
30°	3997	4056	4215
35°	3942	4019	4202
40°	3886	3989	4179
45°	3815	3954	4154
50°	3737	3915	4123
55°	3652	3865	4085
60°	3544	3796	4001
65°	3382	3700	3820
70°	3155	3489	3546
75°	2815	3149	3179
80°	2290	2653	2631
85°	1492	1852	1446

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.6	3.3
10°-20°	336.8	9.4
20°-30°	510.1	14.3
30°-40°	616.3	17.2
40°-50°	643.7	18.0
50°-60°	589.5	16.5
60°-70°	452.9	12.7
70°-80°	252.2	7.1
80°-90°	55.9	1.6
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°	964.5	27.0
0°-40°	1580.8	44.2
0°-60°	2814.0	78.7
0°-90°	3575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1231	1243	1229	1236	1248	117
15°	1182	1193	1186	1198	1215	333
25°	1088	1101	1098	1115	1135	502
35°	958	972	977	1000	1021	600
45°	800	818	830	854	872	618
55°	622	642	658	681	695	556
65°	424	446	464	473	479	419
75°	216	238	242	242	244	229
85°	39	46	48	40	37	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1241.1	1241.1	1241.1	1241.1	1241.1
2.5°	1234.1	1245.8	1236.4	1239.9	1248.1
5°	1230.6	1243.4	1229.4	1236.4	1248.1
7.5°	1222.4	1234.1	1222.4	1230.6	1245.8
10°	1211.9	1224.7	1213.1	1221.2	1236.4
12.5°	1197.9	1208.4	1200.2	1211.9	1227.1
15°	1181.5	1193.2	1186.2	1197.9	1215.4
17.5°	1162.8	1173.3	1167.5	1182.7	1199.0
20°	1139.4	1151.1	1146.4	1161.6	1180.3
22.5°	1116.1	1127.7	1124.2	1139.4	1159.3
25°	1088.0	1100.9	1098.5	1114.9	1134.8
27.5°	1060.0	1072.8	1071.6	1090.3	1109.0
30°	1027.2	1040.1	1042.4	1062.3	1083.3
32.5°	994.5	1008.5	1009.7	1031.9	1051.8
35°	958.3	972.3	977.0	1000.4	1021.4
37.5°	922.1	936.1	943.1	965.3	987.5
40°	883.5	898.7	906.9	930.2	950.1
42.5°	844.9	860.1	869.5	892.8	911.5
45°	800.5	818.0	829.7	854.3	871.8
47.5°	757.3	776.0	788.8	812.2	829.7
50°	712.9	732.7	746.8	770.1	786.5
52.5°	668.5	689.5	703.5	725.7	742.1
55°	621.7	641.6	657.9	681.3	695.3
57.5°	575.0	594.8	612.4	633.4	646.3
60°	525.9	546.9	563.3	584.3	593.7
62.5°	474.5	496.7	513.0	529.4	537.6
65°	424.2	446.4	464.0	473.3	479.1
67.5°	372.8	395.0	411.4	416.0	419.5
70°	320.2	342.4	354.1	356.4	359.9
72.5°	267.6	289.8	299.2	299.2	300.3
75°	216.2	238.4	241.9	241.9	244.2
77.5°	165.9	185.8	188.2	188.2	188.2
80°	118.0	133.2	136.7	136.7	135.6
82.5°	74.8	85.3	91.2	86.5	84.1
85°	38.6	45.6	47.9	39.7	37.4
87.5°	11.7	14.0	11.7	7.0	5.8
90°	0.0	0.0	0.0	0.0	0.0

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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	16.72	18.36	17.08	18.68	18.99	17.22	18.87	17.59	19.18	19.50
	3H	18.49	19.98	18.86	20.30	20.66	19.02	20.51	19.40	20.84	21.20
	4H	19.11	20.51	19.51	20.86	21.24	19.65	21.05	20.05	21.40	21.78
	6H	19.51	20.81	19.92	21.18	21.57	20.07	21.37	20.48	21.74	22.13
	8H	19.61	20.85	20.04	21.24	21.64	20.18	21.42	20.60	21.81	22.21
	12H	19.66	20.85	20.09	21.23	21.66	20.22	21.41	20.64	21.79	22.22
4H	2H	17.44	18.84	17.83	19.19	19.56	17.83	19.24	18.23	19.58	19.96
	3H	19.43	20.61	19.84	21.00	21.40	19.84	21.02	20.25	21.42	21.82
	4H	20.19	21.25	20.62	21.66	22.10	20.60	21.66	21.03	22.07	22.51
	6H	20.71	21.64	21.16	22.08	22.53	21.14	22.07	21.59	22.51	22.96
	8H	20.84	21.71	21.30	22.15	22.62	21.28	22.15	21.74	22.59	23.05
	12H	20.91	21.70	21.39	22.17	22.64	21.34	22.12	21.82	22.60	23.07
8H	4H	20.52	21.39	20.98	21.83	22.30	20.88	21.75	21.34	22.19	22.66
	6H	21.15	21.88	21.65	22.36	22.84	21.52	22.25	22.02	22.73	23.21
	8H	21.34	21.99	21.85	22.50	22.98	21.72	22.37	22.23	22.87	23.36
	12H	21.47	22.04	21.97	22.53	23.09	21.82	22.40	22.33	22.89	23.45
12H	4H	20.55	21.33	21.03	21.81	22.28	20.91	21.69	21.39	22.16	22.63
	6H	21.20	21.85	21.71	22.36	22.84	21.56	22.21	22.07	22.72	23.20
	8H	21.45	22.02	21.95	22.51	23.07	21.81	22.38	22.31	22.87	23.43