

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: P1584561

Luminaire Tested: 14CZSP-A-37HE-L850

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584561
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-L850
Description: 1x4 CZSP LED Luminaire, 5000K CCT and 3500 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

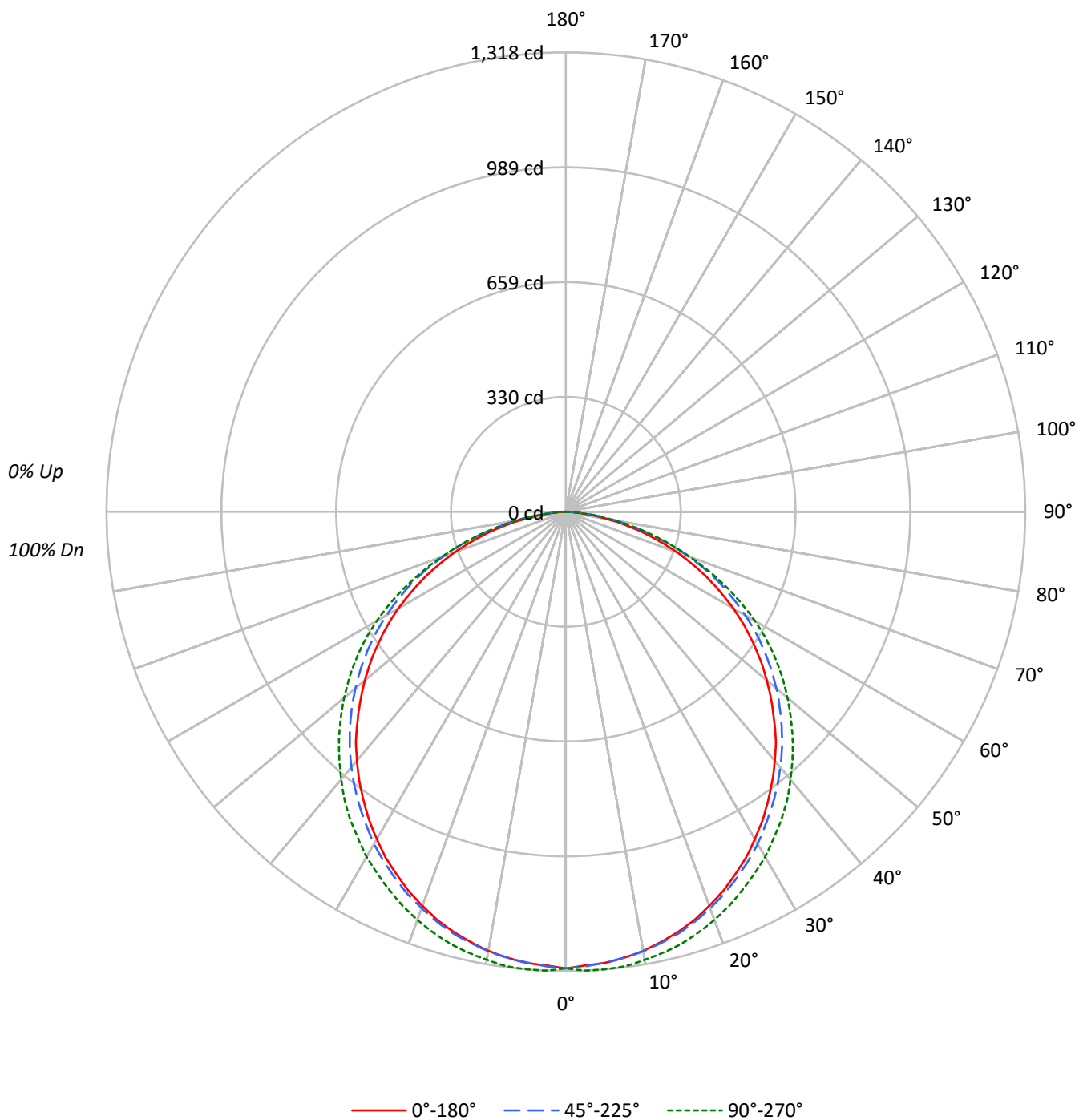
Lumens per Lamp: N/A
Luminaire Lumens: 3774.0 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	4415	4415	4415
5°	4394	4390	4457
10°	4377	4382	4466
15°	4351	4368	4476
20°	4313	4340	4468
25°	4270	4312	4454
30°	4219	4282	4450
35°	4161	4243	4435
40°	4103	4211	4412
45°	4027	4174	4386
50°	3945	4132	4353
55°	3856	4081	4312
60°	3742	4007	4223
65°	3570	3905	4033
70°	3330	3683	3744
75°	2971	3325	3356
80°	2418	2800	2777
85°	1574	1956	1527

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	3.3
10°-20°	355.6	9.4
20°-30°	538.5	14.3
30°-40°	650.6	17.2
40°-50°	679.6	18.0
50°-60°	622.3	16.5
60°-70°	478.2	12.7
70°-80°	266.2	7.1
80°-90°	59.0	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°	1018.2	27.0
0°-40°	1668.8	44.2
0°-60°	2970.6	78.7
0°-90°	3774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1299	1313	1298	1305	1318	123
15°	1247	1260	1252	1264	1283	352
25°	1149	1162	1160	1177	1198	529
35°	1012	1026	1031	1056	1078	633
45°	845	864	876	902	920	652
55°	656	677	695	719	734	587
65°	448	471	490	500	506	443
75°	228	252	255	255	258	242
85°	41	48	51	42	40	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1310.2	1310.2	1310.2	1310.2	1310.2
2.5°	1302.8	1315.1	1305.2	1308.9	1317.6
5°	1299.1	1312.7	1297.8	1305.2	1317.6
7.5°	1290.4	1302.8	1290.4	1299.1	1315.1
10°	1279.3	1292.9	1280.6	1289.2	1305.2
12.5°	1264.5	1275.6	1267.0	1279.3	1295.4
15°	1247.3	1259.6	1252.2	1264.5	1283.0
17.5°	1227.5	1238.6	1232.5	1248.5	1265.8
20°	1202.9	1215.2	1210.3	1226.3	1246.0
22.5°	1178.2	1190.5	1186.8	1202.9	1223.8
25°	1148.6	1162.1	1159.7	1176.9	1197.9
27.5°	1119.0	1132.5	1131.3	1151.0	1170.8
30°	1084.4	1098.0	1100.5	1121.4	1143.6
32.5°	1049.9	1064.7	1065.9	1089.4	1110.3
35°	1011.6	1026.4	1031.4	1056.0	1078.2
37.5°	973.4	988.2	995.6	1019.0	1042.5
40°	932.7	948.7	957.3	982.0	1003.0
42.5°	892.0	908.0	917.9	942.5	962.3
45°	845.1	863.6	875.9	901.8	920.3
47.5°	799.4	819.2	832.7	857.4	875.9
50°	752.6	773.5	788.3	813.0	830.3
52.5°	705.7	727.9	742.7	766.1	783.4
55°	656.3	677.3	694.6	719.2	734.0
57.5°	607.0	628.0	646.5	668.7	682.2
60°	555.2	577.4	594.6	616.8	626.7
62.5°	500.9	524.3	541.6	558.9	567.5
65°	447.8	471.3	489.8	499.6	505.8
67.5°	393.5	417.0	434.3	439.2	442.9
70°	338.0	361.5	373.8	376.3	380.0
72.5°	282.5	306.0	315.8	315.8	317.1
75°	228.2	251.7	255.4	255.4	257.8
77.5°	175.2	196.2	198.6	198.6	198.6
80°	124.6	140.6	144.3	144.3	143.1
82.5°	79.0	90.1	96.2	91.3	88.8
85°	40.7	48.1	50.6	41.9	39.5
87.5°	12.3	14.8	12.3	7.4	6.2
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	16.90	18.55	17.27	18.87	19.18	17.41	19.06	17.77	19.37	19.69
	3H	18.68	20.17	19.05	20.49	20.85	19.21	20.70	19.58	21.02	21.38
	4H	19.30	20.70	19.70	21.05	21.42	19.84	21.24	20.24	21.59	21.96
	6H	19.70	21.00	20.11	21.37	21.76	20.26	21.56	20.67	21.93	22.32
	8H	19.80	21.04	20.22	21.43	21.83	20.36	21.61	20.79	22.00	22.39
	12H	19.85	21.04	20.27	21.42	21.85	20.40	21.60	20.83	21.98	22.41
4H	2H	17.63	19.03	18.02	19.38	19.75	18.02	19.42	18.42	19.77	20.15
	3H	19.62	20.80	20.03	21.19	21.59	20.03	21.21	20.44	21.61	22.01
	4H	20.38	21.44	20.81	21.85	22.29	20.78	21.85	21.22	22.26	22.70
	6H	20.90	21.83	21.35	22.27	22.72	21.32	22.25	21.78	22.69	23.15
	8H	21.03	21.90	21.49	22.34	22.81	21.46	22.33	21.92	22.78	23.24
	12H	21.10	21.89	21.58	22.36	22.83	21.53	22.31	22.01	22.79	23.26
8H	4H	20.71	21.58	21.17	22.02	22.48	21.07	21.94	21.53	22.38	22.85
	6H	21.34	22.06	21.83	22.55	23.03	21.71	22.43	22.20	22.92	23.40
	8H	21.53	22.18	22.04	22.69	23.17	21.91	22.55	22.41	23.06	23.54
	12H	21.66	22.23	22.16	22.72	23.28	22.01	22.58	22.52	23.07	23.63
12H	4H	20.74	21.52	21.22	22.00	22.46	21.10	21.88	21.57	22.35	22.82
	6H	21.39	22.04	21.90	22.55	23.03	21.75	22.40	22.26	22.91	23.39
	8H	21.63	22.21	22.14	22.70	23.26	21.99	22.57	22.50	23.06	23.62