

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: P1584555

Luminaire Tested: 14CZSP-A-37HE-L835

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584555
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-L835
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 80CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

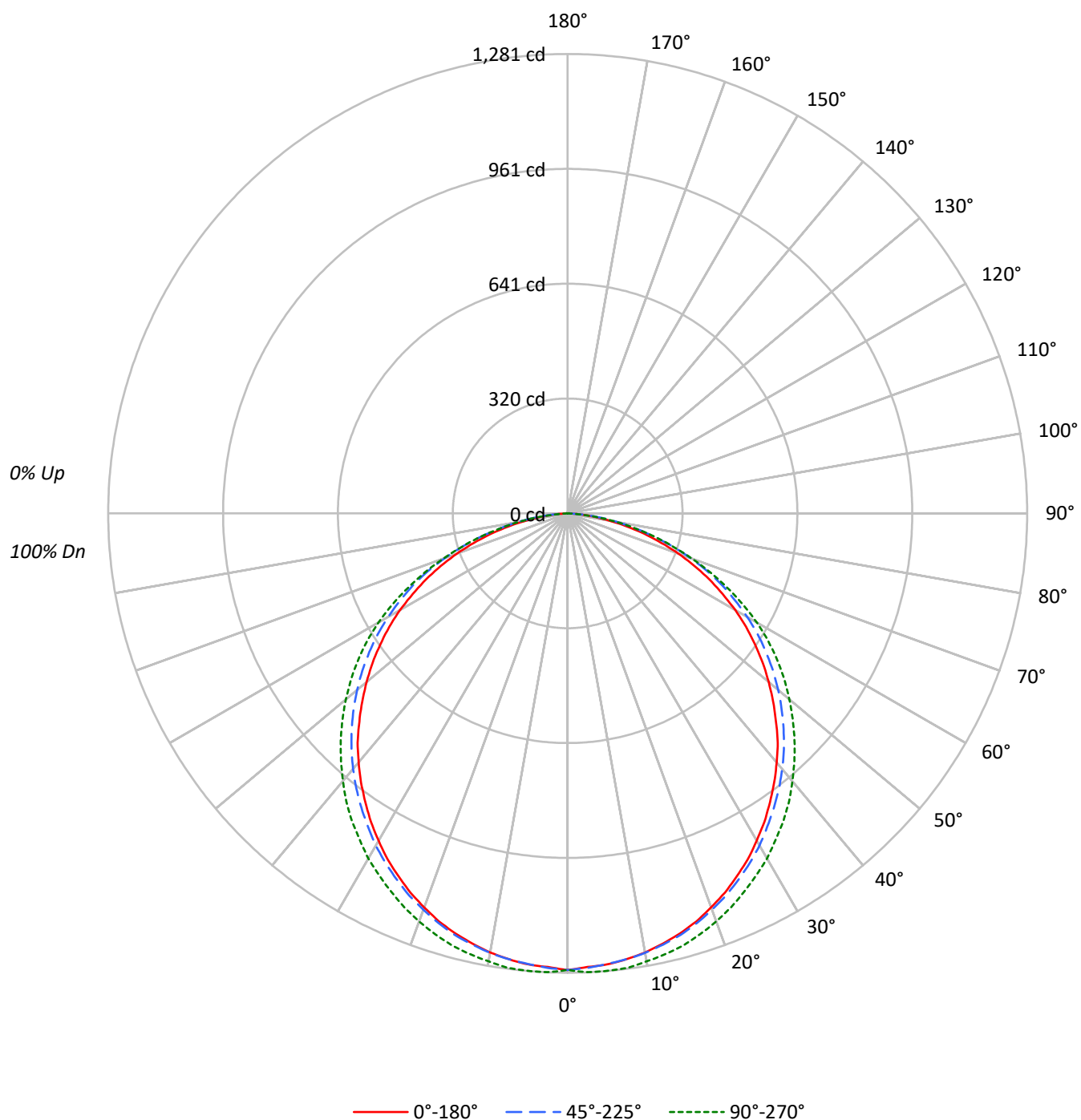
Lumens per Lamp: N/A
Luminaire Lumens: 3668.0 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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°	4291	4291	4291
5°	4271	4267	4332
10°	4254	4258	4341
15°	4229	4245	4350
20°	4192	4218	4342
25°	4150	4190	4329
30°	4101	4161	4325
35°	4044	4123	4311
40°	3987	4093	4288
45°	3914	4057	4263
50°	3834	4017	4230
55°	3747	3966	4191
60°	3636	3895	4105
65°	3471	3795	3920
70°	3236	3579	3638
75°	2888	3231	3263
80°	2350	2722	2699
85°	1531	1902	1485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.3
10°-20°	345.6	9.4
20°-30°	523.4	14.3
30°-40°	632.3	17.2
40°-50°	660.5	18.0
50°-60°	604.8	16.5
60°-70°	464.7	12.7
70°-80°	258.8	7.1
80°-90°	57.3	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°	989.6	27.0
0°-40°	1621.9	44.2
0°-60°	2887.2	78.7
0°-90°	3668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1263	1276	1261	1269	1281	120
15°	1212	1224	1217	1229	1247	342
25°	1116	1130	1127	1144	1164	515
35°	983	998	1002	1026	1048	615
45°	821	839	851	876	894	634
55°	638	658	675	699	713	570
65°	435	458	476	486	492	430
75°	222	245	248	248	251	235
85°	40	47	49	41	38	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.4	1273.4	1273.4	1273.4	1273.4
2.5°	1266.2	1278.2	1268.6	1272.2	1280.6
5°	1262.6	1275.8	1261.4	1268.6	1280.6
7.5°	1254.2	1266.2	1254.2	1262.6	1278.2
10°	1243.4	1256.6	1244.6	1253.0	1268.6
12.5°	1229.0	1239.8	1231.4	1243.4	1259.0
15°	1212.2	1224.2	1217.0	1229.0	1247.0
17.5°	1193.0	1203.8	1197.8	1213.4	1230.2
20°	1169.1	1181.1	1176.3	1191.8	1211.0
22.5°	1145.1	1157.1	1153.5	1169.1	1189.5
25°	1116.3	1129.5	1127.1	1143.9	1164.3
27.5°	1087.5	1100.7	1099.5	1118.7	1137.9
30°	1054.0	1067.1	1069.5	1089.9	1111.5
32.5°	1020.4	1034.8	1036.0	1058.8	1079.1
35°	983.2	997.6	1002.4	1026.4	1048.0
37.5°	946.0	960.4	967.6	990.4	1013.2
40°	906.5	922.1	930.5	954.4	974.8
42.5°	866.9	882.5	892.1	916.1	935.3
45°	821.3	839.3	851.3	876.5	894.5
47.5°	777.0	796.2	809.4	833.3	851.3
50°	731.4	751.8	766.2	790.2	807.0
52.5°	685.9	707.4	721.8	744.6	761.4
55°	637.9	658.3	675.1	699.0	713.4
57.5°	589.9	610.3	628.3	649.9	663.1
60°	539.6	561.2	577.9	599.5	609.1
62.5°	486.8	509.6	526.4	543.2	551.6
65°	435.3	458.0	476.0	485.6	491.6
67.5°	382.5	405.3	422.1	426.9	430.5
70°	328.5	351.3	363.3	365.7	369.3
72.5°	274.6	297.4	307.0	307.0	308.2
75°	221.8	244.6	248.2	248.2	250.6
77.5°	170.3	190.6	193.0	193.0	193.0
80°	121.1	136.7	140.3	140.3	139.1
82.5°	76.7	87.5	93.5	88.7	86.3
85°	39.6	46.8	49.2	40.8	38.4
87.5°	12.0	14.4	12.0	7.2	6.0
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	16.80	18.45	17.17	18.77	19.08	17.31	18.96	17.68	19.27	19.59
	3H	18.58	20.07	18.95	20.39	20.75	19.11	20.60	19.49	20.92	21.28
	4H	19.20	20.60	19.60	20.95	21.33	19.74	21.14	20.14	21.49	21.87
	6H	19.60	20.90	20.01	21.27	21.66	20.16	21.46	20.57	21.83	22.22
	8H	19.70	20.94	20.12	21.33	21.73	20.27	21.51	20.69	21.90	22.30
	12H	19.75	20.94	20.18	21.32	21.75	20.31	21.50	20.73	21.88	22.31
4H	2H	17.53	18.93	17.92	19.28	19.65	17.92	19.33	18.32	19.67	20.05
	3H	19.52	20.70	19.93	21.09	21.49	19.93	21.11	20.34	21.51	21.91
	4H	20.28	21.34	20.71	21.75	22.19	20.69	21.75	21.12	22.16	22.60
	6H	20.80	21.73	21.25	22.17	22.62	21.22	22.15	21.68	22.59	23.05
	8H	20.93	21.80	21.39	22.24	22.71	21.37	22.24	21.82	22.68	23.14
	12H	21.00	21.79	21.48	22.26	22.73	21.43	22.21	21.91	22.69	23.16
8H	4H	20.61	21.48	21.07	21.92	22.39	20.97	21.84	21.43	22.28	22.75
	6H	21.24	21.96	21.74	22.45	22.93	21.61	22.34	22.11	22.82	23.30
	8H	21.43	22.08	21.94	22.59	23.07	21.81	22.45	22.32	22.96	23.45
	12H	21.56	22.13	22.06	22.62	23.18	21.91	22.49	22.42	22.98	23.54
12H	4H	20.64	21.42	21.12	21.90	22.37	21.00	21.78	21.48	22.25	22.72
	6H	21.29	21.94	21.80	22.45	22.93	21.65	22.30	22.16	22.81	23.29
	8H	21.54	22.11	22.04	22.60	23.16	21.90	22.47	22.40	22.96	23.52