

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: P1584565

Luminaire Tested: 14CZSP-A-37HE-L935

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584565
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-L935
Description: 1x4 CZSP LED Luminaire, 3500K CCT and 3500 lumens, 90CRI, Ribbed Lens, Air Vented Housing
Light Source: -
Ballast/Driver: -

Summary

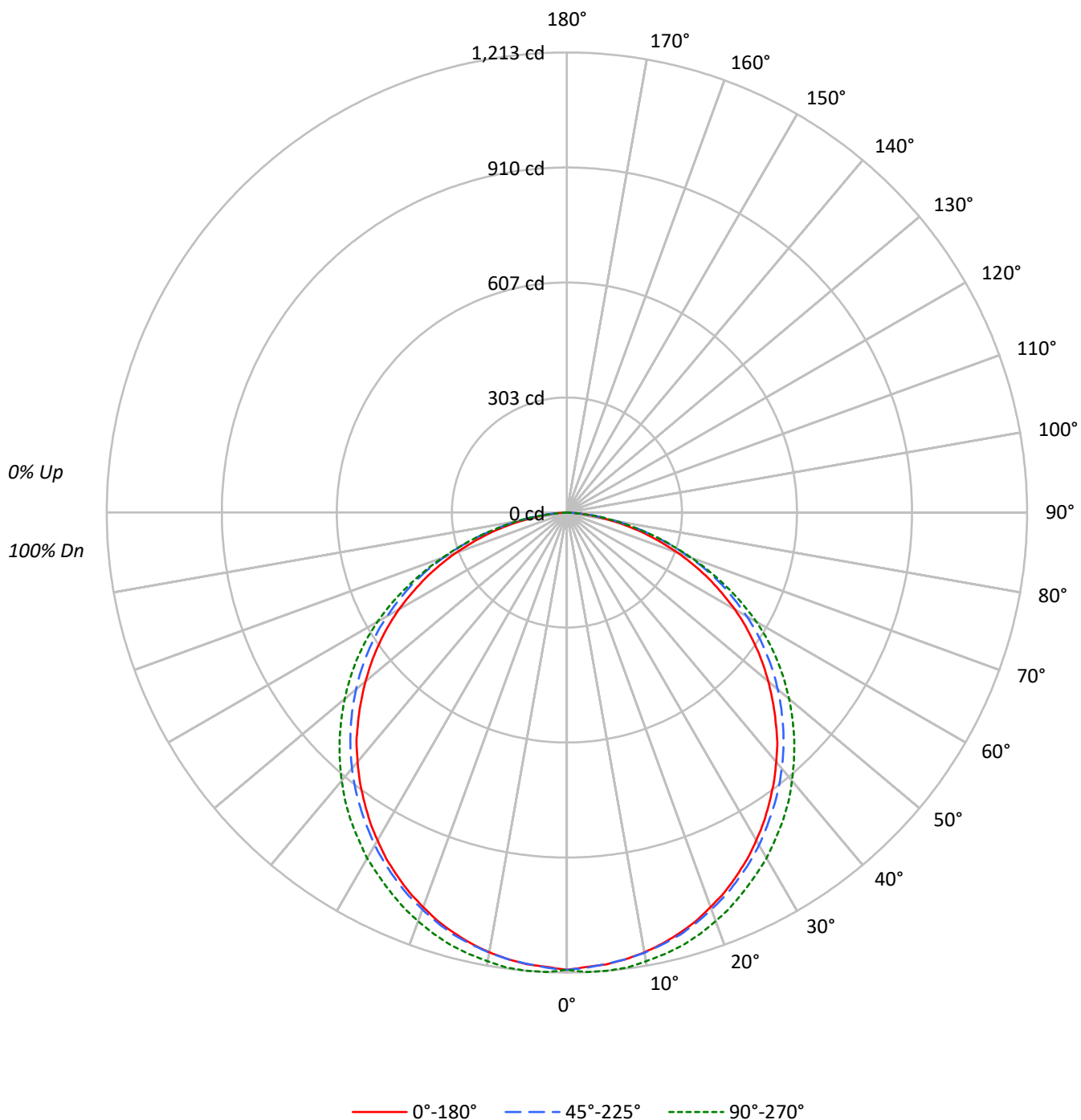
Lumens per Lamp: N/A
Luminaire Lumens: 3474.0 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584565

CATALOG NUMBER: 14CZSP-A-37HE-L935

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°	4064	4064	4064
5°	4045	4041	4102
10°	4029	4033	4111
15°	4005	4021	4120
20°	3970	3995	4113
25°	3931	3969	4100
30°	3884	3941	4096
35°	3830	3905	4083
40°	3776	3876	4061
45°	3707	3842	4037
50°	3631	3804	4007
55°	3549	3756	3970
60°	3444	3689	3888
65°	3287	3594	3712
70°	3066	3390	3446
75°	2735	3061	3089
80°	2226	2579	2556
85°	1450	1802	1403

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4037 cd/sqm

TEST NUMBER: P1584565

CATALOG NUMBER: 14CZSP-A-37HE-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.2	3.3
10°-20°	327.3	9.4
20°-30°	495.7	14.3
30°-40°	598.8	17.2
40°-50°	625.5	18.0
50°-60°	572.8	16.5
60°-70°	440.1	12.7
70°-80°	245.1	7.1
80°-90°	54.3	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°	937.3	27.0
0°-40°	1536.1	44.2
0°-60°	2734.5	78.7
0°-90°	3474.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3474.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1196	1208	1195	1202	1213	114
15°	1148	1160	1153	1164	1181	324
25°	1057	1070	1068	1083	1103	487
35°	931	945	949	972	992	583
45°	778	795	806	830	847	600
55°	604	624	639	662	676	540
65°	412	434	451	460	466	407
75°	210	232	235	235	237	223
85°	38	44	47	39	36	49
90°	0	0	0	0	0	

TEST NUMBER: P1584565

CATALOG NUMBER: 14CZSP-A-37HE-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.0	1206.0	1206.0	1206.0	1206.0
2.5°	1199.2	1210.6	1201.5	1204.9	1212.8
5°	1195.8	1208.3	1194.7	1201.5	1212.8
7.5°	1187.9	1199.2	1187.9	1195.8	1210.6
10°	1177.6	1190.1	1178.8	1186.7	1201.5
12.5°	1164.0	1174.2	1166.3	1177.6	1192.4
15°	1148.1	1159.5	1152.7	1164.0	1181.1
17.5°	1129.9	1140.2	1134.5	1149.3	1165.2
20°	1107.2	1118.6	1114.0	1128.8	1147.0
22.5°	1084.5	1095.9	1092.5	1107.2	1126.5
25°	1057.3	1069.8	1067.5	1083.4	1102.7
27.5°	1030.0	1042.5	1041.4	1059.5	1077.7
30°	998.2	1010.7	1013.0	1032.3	1052.7
32.5°	966.4	980.0	981.2	1002.8	1022.1
35°	931.2	944.8	949.4	972.1	992.5
37.5°	896.0	909.6	916.5	938.0	959.6
40°	858.5	873.3	881.2	904.0	923.3
42.5°	821.1	835.8	844.9	867.6	885.8
45°	777.9	794.9	806.3	830.1	847.2
47.5°	735.9	754.1	766.5	789.3	806.3
50°	692.7	712.0	725.7	748.4	764.3
52.5°	649.6	670.0	683.6	705.2	721.1
55°	604.2	623.5	639.4	662.1	675.7
57.5°	558.7	578.0	595.1	615.5	628.0
60°	511.0	531.5	547.4	567.8	576.9
62.5°	461.1	482.6	498.5	514.4	522.4
65°	412.2	433.8	450.8	459.9	465.6
67.5°	362.3	383.8	399.7	404.3	407.7
70°	311.2	332.7	344.1	346.4	349.8
72.5°	260.1	281.6	290.7	290.7	291.9
75°	210.1	231.7	235.1	235.1	237.3
77.5°	161.3	180.6	182.8	182.8	182.8
80°	114.7	129.5	132.9	132.9	131.7
82.5°	72.7	82.9	88.6	84.0	81.8
85°	37.5	44.3	46.6	38.6	36.3
87.5°	11.4	13.6	11.4	6.8	5.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584565

CATALOG NUMBER: 14CZSP-A-37HE-L935

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	16.62	18.26	16.98	18.58	18.89	17.12	18.77	17.49	19.08	19.40
	3H	18.39	19.88	18.76	20.20	20.56	18.92	20.41	19.30	20.74	21.10
	4H	19.01	20.41	19.41	20.76	21.14	19.55	20.95	19.95	21.30	21.68
	6H	19.41	20.71	19.82	21.08	21.47	19.97	21.27	20.38	21.64	22.03
	8H	19.51	20.76	19.94	21.14	21.54	20.08	21.32	20.50	21.71	22.11
	12H	19.56	20.75	19.99	21.13	21.56	20.12	21.31	20.55	21.69	22.12
4H	2H	17.34	18.74	17.73	19.09	19.46	17.73	19.14	18.13	19.48	19.86
	3H	19.33	20.51	19.74	20.90	21.30	19.75	20.92	20.15	21.32	21.72
	4H	20.09	21.15	20.52	21.56	22.00	20.50	21.56	20.93	21.97	22.41
	6H	20.61	21.54	21.06	21.98	22.43	21.04	21.97	21.49	22.41	22.86
	8H	20.74	21.61	21.20	22.05	22.52	21.18	22.05	21.64	22.49	22.95
	12H	20.82	21.60	21.30	22.07	22.54	21.24	22.02	21.72	22.50	22.97
8H	4H	20.42	21.29	20.88	21.73	22.20	20.78	21.65	21.24	22.09	22.56
	6H	21.05	21.78	21.55	22.26	22.74	21.42	22.15	21.92	22.63	23.11
	8H	21.25	21.89	21.75	22.40	22.88	21.62	22.27	22.13	22.77	23.26
	12H	21.37	21.94	21.87	22.43	22.99	21.72	22.30	22.23	22.79	23.35
12H	4H	20.45	21.23	20.93	21.71	22.18	20.81	21.59	21.29	22.06	22.53
	6H	21.10	21.75	21.61	22.26	22.74	21.46	22.11	21.97	22.62	23.10
	8H	21.35	21.92	21.85	22.41	22.97	21.71	22.28	22.21	22.77	23.33