

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: P1584267

Luminaire Tested: 14CZSP-37HE-L940

Issue Date: 9/3/2026

Test Information

Test Method: LM-79-2019
Report Number: P1584267
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-37HE-L940
Description: 1x4 CZSP LED Luminaire, 4000K CCT and 3500 lumens, 90CRI, Ribbed Lens
Light Source: -
Ballast/Driver: -

Summary

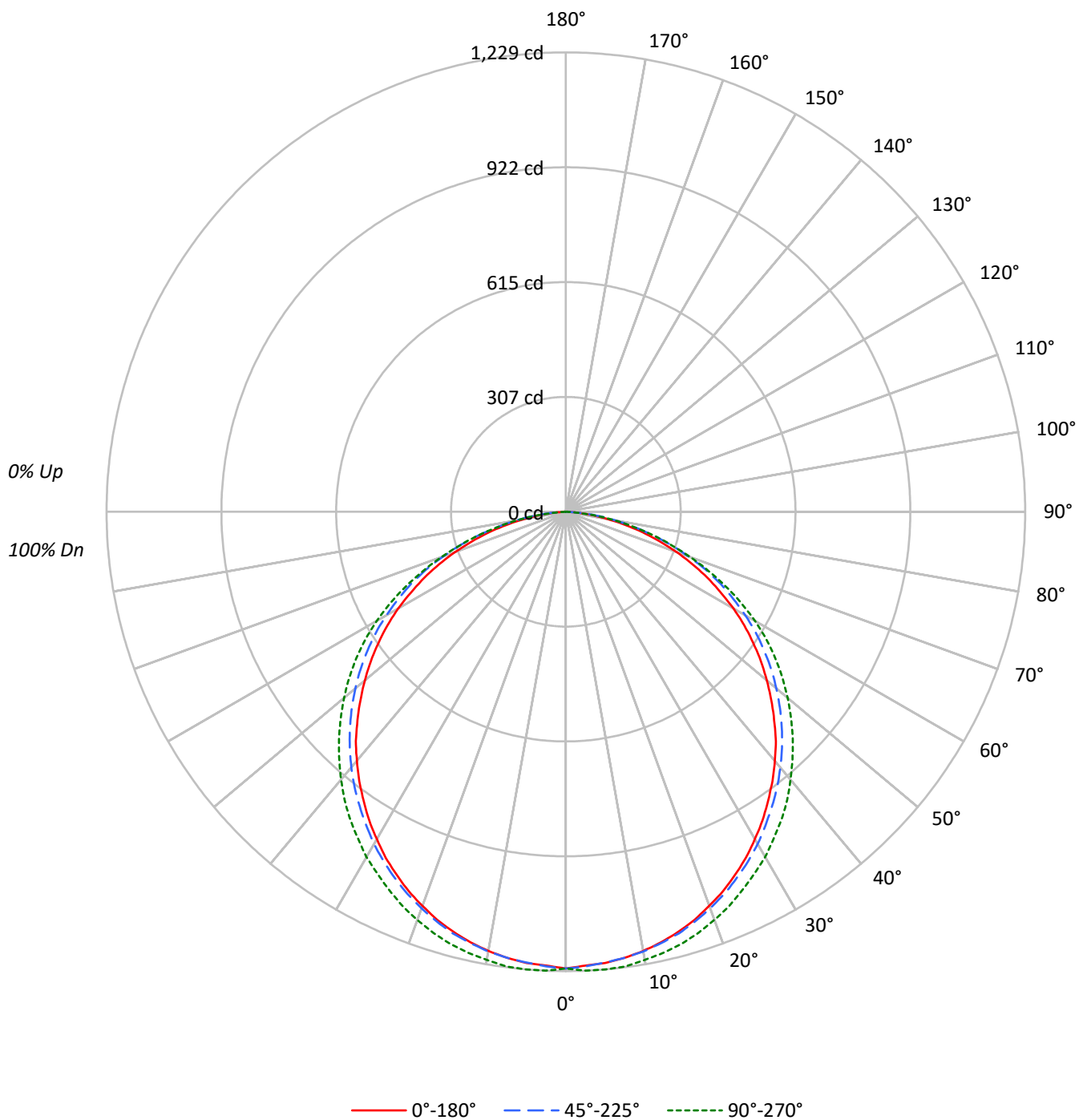
Lumens per Lamp: N/A
Luminaire Lumens: 3520.0 lumens
Efficiency: N/A
Efficacy: 142.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.38
Luminous Opening: Rectangular (W 0.83' x L: 3.83' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1584267

CATALOG NUMBER: 14CZSP-37HE-L940

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°	4118	4118	4118
5°	4098	4094	4157
10°	4083	4087	4165
15°	4058	4074	4175
20°	4023	4048	4167
25°	3983	4021	4154
30°	3935	3994	4150
35°	3881	3957	4137
40°	3826	3928	4115
45°	3756	3893	4091
50°	3679	3855	4060
55°	3596	3806	4022
60°	3490	3738	3939
65°	3330	3642	3762
70°	3106	3435	3492
75°	2772	3101	3131
80°	2255	2612	2591
85°	1469	1825	1423

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4091 cd/sqm

TEST NUMBER: P1584267

CATALOG NUMBER: 14CZSP-37HE-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.8	3.3
10°-20°	331.6	9.4
20°-30°	502.3	14.3
30°-40°	606.8	17.2
40°-50°	633.8	18.0
50°-60°	580.4	16.5
60°-70°	446.0	12.7
70°-80°	248.3	7.1
80°-90°	55.0	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°	949.7	27.0
0°-40°	1556.5	44.2
0°-60°	2770.7	78.7
0°-90°	3520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3520.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1222	1222	1222	1222	1222	
5°	1212	1224	1210	1217	1229	115
15°	1163	1175	1168	1179	1197	328
25°	1071	1084	1082	1098	1117	494
35°	944	957	962	985	1006	591
45°	788	806	817	841	858	608
55°	612	632	648	671	685	547
65°	418	440	457	466	472	413
75°	213	235	238	238	240	226
85°	38	45	47	39	37	49
90°	0	0	0	0	0	

TEST NUMBER: P1584267

CATALOG NUMBER: 14CZSP-37HE-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1222.0	1222.0	1222.0	1222.0	1222.0
2.5°	1215.1	1226.6	1217.4	1220.9	1228.9
5°	1211.6	1224.3	1210.5	1217.4	1228.9
7.5°	1203.6	1215.1	1203.6	1211.6	1226.6
10°	1193.2	1205.9	1194.4	1202.4	1217.4
12.5°	1179.4	1189.8	1181.7	1193.2	1208.2
15°	1163.3	1174.8	1167.9	1179.4	1196.7
17.5°	1144.9	1155.3	1149.5	1164.5	1180.6
20°	1121.9	1133.4	1128.8	1143.8	1162.2
22.5°	1098.9	1110.4	1106.9	1121.9	1141.5
25°	1071.3	1083.9	1081.6	1097.7	1117.3
27.5°	1043.7	1056.3	1055.2	1073.6	1092.0
30°	1011.4	1024.1	1026.4	1046.0	1066.7
32.5°	979.2	993.0	994.2	1016.0	1035.6
35°	943.5	957.4	962.0	985.0	1005.7
37.5°	907.9	921.7	928.6	950.4	972.3
40°	869.9	884.9	892.9	915.9	935.5
42.5°	831.9	846.9	856.1	879.1	897.5
45°	788.2	805.5	817.0	841.1	858.4
47.5°	745.6	764.0	776.7	799.7	817.0
50°	701.9	721.5	735.3	758.3	774.4
52.5°	658.2	678.9	692.7	714.6	730.7
55°	612.2	631.7	647.8	670.8	684.6
57.5°	566.1	585.7	602.9	623.7	636.3
60°	517.8	538.5	554.6	575.3	584.5
62.5°	467.2	489.0	505.1	521.3	529.3
65°	417.7	439.6	456.8	466.0	471.8
67.5°	367.1	388.9	405.0	409.6	413.1
70°	315.3	337.1	348.7	351.0	354.4
72.5°	263.5	285.4	294.6	294.6	295.7
75°	212.9	234.7	238.2	238.2	240.5
77.5°	163.4	183.0	185.3	185.3	185.3
80°	116.2	131.2	134.6	134.6	133.5
82.5°	73.6	84.0	89.8	85.1	82.8
85°	38.0	44.9	47.2	39.1	36.8
87.5°	11.5	13.8	11.5	6.9	5.8
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1584267

CATALOG NUMBER: 14CZSP-37HE-L940

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	16.66	18.31	17.03	18.62	18.94	17.17	18.81	17.53	19.13	19.44
	3H	18.43	19.92	18.81	20.25	20.61	18.97	20.46	19.34	20.78	21.14
	4H	19.06	20.46	19.45	20.81	21.18	19.60	21.00	19.99	21.35	21.72
	6H	19.46	20.76	19.87	21.12	21.52	20.02	21.32	20.43	21.68	22.07
	8H	19.56	20.80	19.98	21.19	21.59	20.12	21.37	20.55	21.75	22.15
	12H	19.60	20.79	20.03	21.18	21.60	20.16	21.35	20.59	21.73	22.16
4H	2H	17.38	18.79	17.78	19.13	19.51	17.78	19.18	18.18	19.53	19.90
	3H	19.38	20.55	19.78	20.95	21.35	19.79	20.97	20.20	21.37	21.76
	4H	20.13	21.20	20.56	21.61	22.05	20.54	21.61	20.97	22.02	22.46
	6H	20.65	21.58	21.11	22.02	22.48	21.08	22.01	21.53	22.45	22.91
	8H	20.79	21.66	21.25	22.10	22.56	21.22	22.09	21.68	22.53	23.00
	12H	20.86	21.64	21.34	22.12	22.59	21.29	22.07	21.77	22.54	23.01
8H	4H	20.47	21.34	20.93	21.78	22.24	20.83	21.70	21.29	22.14	22.61
	6H	21.10	21.82	21.59	22.31	22.78	21.47	22.19	21.96	22.68	23.15
	8H	21.29	21.94	21.80	22.44	22.93	21.66	22.31	22.17	22.82	23.30
	12H	21.41	21.99	21.92	22.48	23.04	21.77	22.34	22.28	22.83	23.39
12H	4H	20.50	21.28	20.98	21.75	22.22	20.85	21.63	21.33	22.11	22.58
	6H	21.15	21.80	21.66	22.30	22.79	21.51	22.16	22.02	22.66	23.15
	8H	21.39	21.96	21.90	22.45	23.01	21.75	22.32	22.26	22.81	23.37