

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: IRiS

Report Number: P1274242

Luminaire Tested: P3A13R709830DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R709830DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

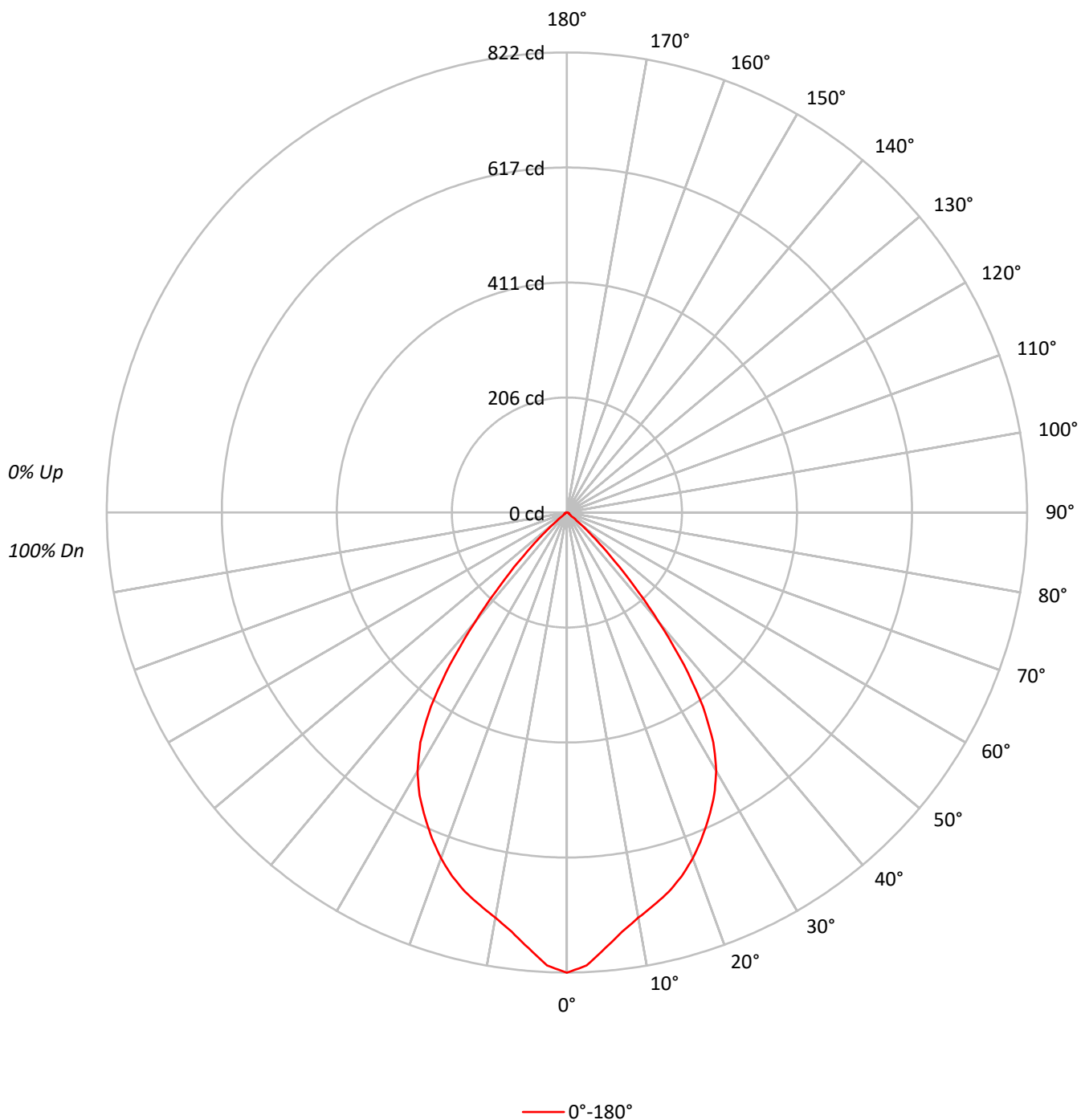
Lumens per Lamp: N/A
Luminaire Lumens: 908.1 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1274242

CATALOG NUMBER: P3A13R709830DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1274242

CATALOG NUMBER: P3A13R709830DE010 E3CD1MW

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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	180315
5°	172044
10°	163702
15°	159320
20°	153430
25°	145218
30°	135059
35°	113448
40°	73137
45°	33988
50°	8904
55°	2217
60°	2237
65°	1868
70°	1859
75°	1864
80°	1894
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33988 cd/sqm

TEST NUMBER: P1274242

CATALOG NUMBER: P3A13R709830DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.2	8.1
10°-20°	197.2	21.7
20°-30°	275.5	30.3
30°-40°	255.5	28.1
40°-50°	91.6	10.1
50°-60°	7.8	0.9
60°-70°	3.9	0.4
70°-80°	2.5	0.3
80°-90°	1.0	0.1
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°	545.9	60.1
0°-40°	801.3	88.2
0°-60°	900.7	99.2
0°-90°	908.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	822	
5°	782	73
15°	702	197
25°	600	276
35°	424	255
45°	110	92
55°	6	8
65°	4	4
75°	2	3
85°	1	1
90°	0	

TEST NUMBER: P1274242

CATALOG NUMBER: P3A13R709830DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	822.3
2.5°	809.9
5°	781.6
7.5°	755.5
10°	735.2
12.5°	718.5
15°	701.8
17.5°	681.5
20°	657.5
22.5°	629.9
25°	600.2
27.5°	569.7
30°	533.4
32.5°	487.0
35°	423.8
37.5°	343.3
40°	255.5
42.5°	174.2
45°	109.6
47.5°	61.0
50°	26.1
52.5°	8.7
55°	5.8
57.5°	5.1
60°	5.1
62.5°	4.4
65°	3.6
67.5°	3.6
70°	2.9
72.5°	2.9
75°	2.2
77.5°	2.2
80°	1.5
82.5°	1.5
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)