

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: P1272170

Luminaire Tested: P3AS13R709827DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272170
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: P3AS13R709827DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

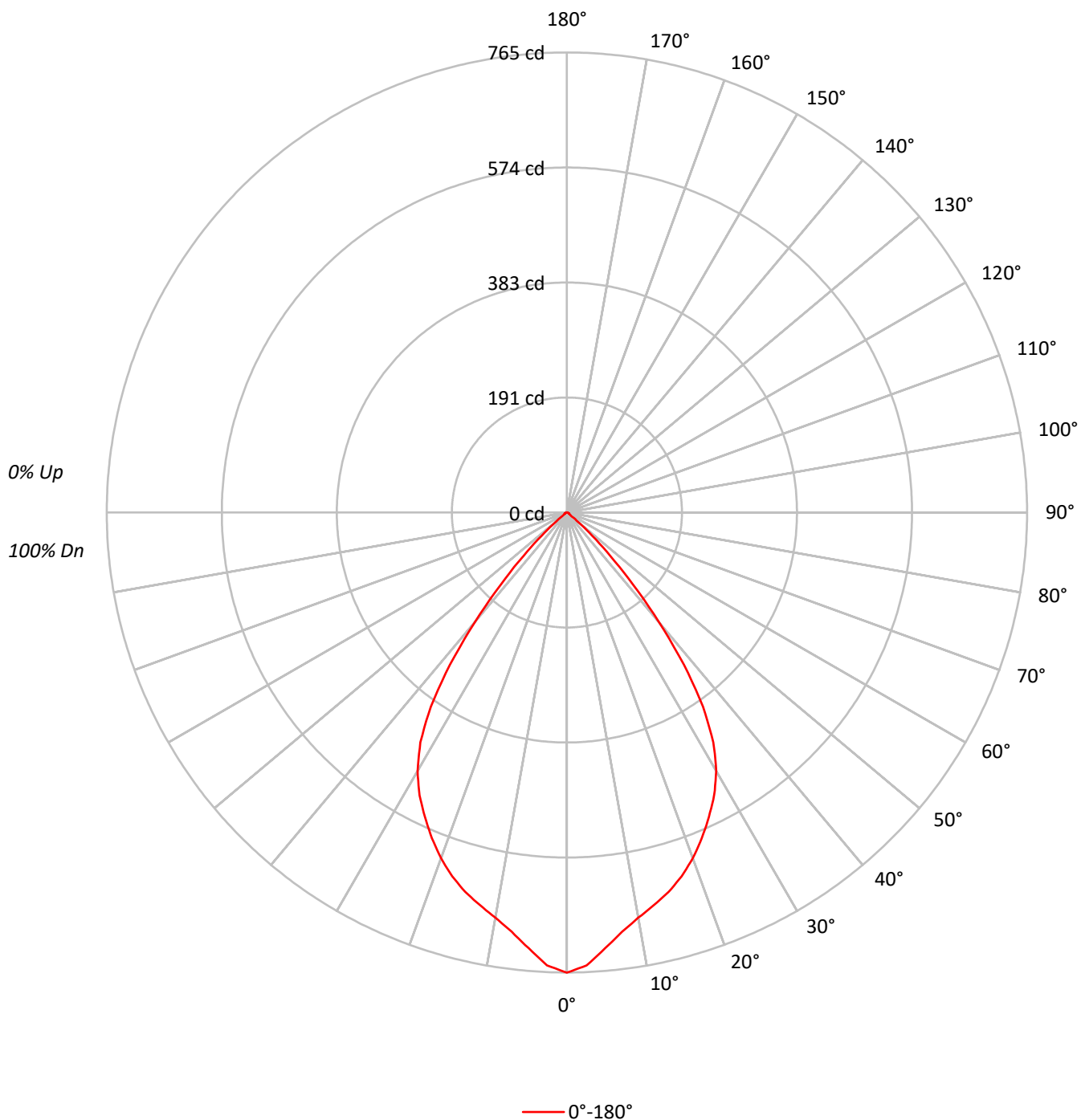
Lumens per Lamp: N/A
Luminaire Lumens: 845.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1272170

CATALOG NUMBER: P3AS13R709827DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1272170

CATALOG NUMBER: P3AS13R709827DE010 E3CD1MB

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°	167794
5°	160114
10°	152346
15°	148264
20°	142789
25°	135129
30°	125690
35°	105578
40°	68042
45°	31631
50°	8290
55°	2064
60°	2061
65°	1764
70°	1731
75°	1694
80°	1768
85°	1761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31631 cd/sqm

TEST NUMBER: P1272170

CATALOG NUMBER: P3AS13R709827DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.1	8.1
10°-20°	183.5	21.7
20°-30°	256.4	30.3
30°-40°	237.7	28.1
40°-50°	85.2	10.1
50°-60°	7.2	0.9
60°-70°	3.6	0.4
70°-80°	2.3	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°	508.0	60.1
0°-40°	745.7	88.2
0°-60°	838.2	99.2
0°-90°	845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	765	
5°	727	68
15°	653	184
25°	558	256
35°	394	238
45°	102	85
55°	5	7
65°	3	4
75°	2	2
85°	1	1
90°	0	

TEST NUMBER: P1272170

CATALOG NUMBER: P3AS13R709827DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	765.2
2.5°	753.7
5°	727.4
7.5°	703.1
10°	684.2
12.5°	668.6
15°	653.1
17.5°	634.2
20°	611.9
22.5°	586.2
25°	558.5
27.5°	530.2
30°	496.4
32.5°	453.2
35°	394.4
37.5°	319.5
40°	237.7
42.5°	162.1
45°	102.0
47.5°	56.7
50°	24.3
52.5°	8.1
55°	5.4
57.5°	4.7
60°	4.7
62.5°	4.1
65°	3.4
67.5°	3.4
70°	2.7
72.5°	2.7
75°	2.0
77.5°	2.0
80°	1.4
82.5°	1.4
85°	0.7
87.5°	0.7
90°	0.0

(END OF REPORT)