

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: P1271563

Luminaire Tested: P3AS09R259827DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R259827DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

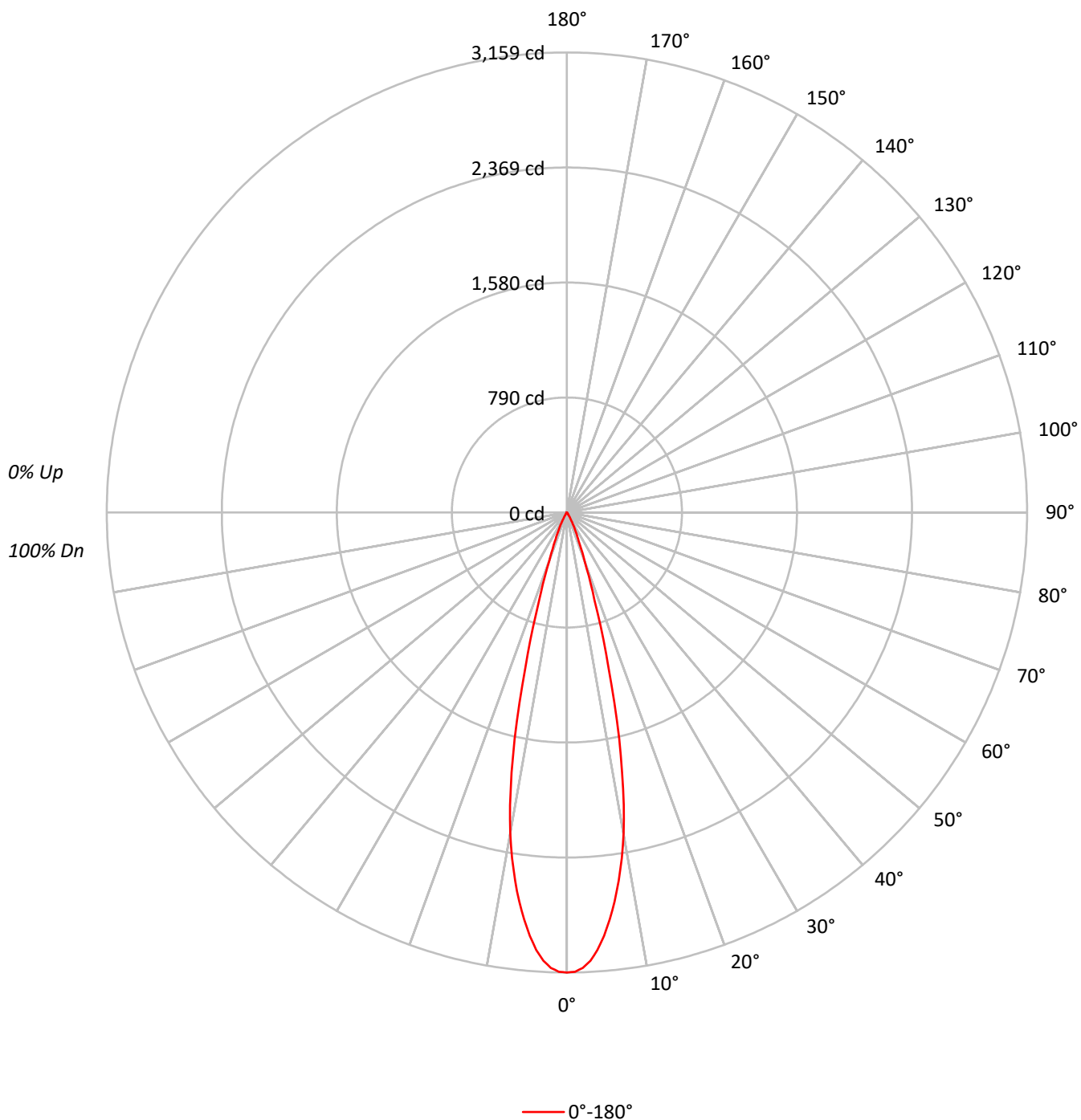
Lumens per Lamp: N/A
Luminaire Lumens: 648.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1271563

CATALOG NUMBER: P3AS09R259827DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1271563

CATALOG NUMBER: P3AS09R259827DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	89	89
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	86	85	85	85
7	97	91	88	85	96	91	87	85	90	87	84	89	86	84	88	85	83	83	83	83
8	95	89	85	83	94	89	85	82	88	84	82	87	84	82	86	83	81	81	81	81
9	93	87	83	80	92	86	83	80	86	82	80	85	82	80	84	82	80	79	79	79
10	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	80	78	77	77	77

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	692795
5°	642569
10°	498321
15°	249877
20°	82094
25°	32639
30°	12255
35°	3534
40°	1603
45°	620
50°	512
55°	382
60°	439
65°	519
70°	321
75°	424
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 631 cd/sqm

TEST NUMBER: P1271563

CATALOG NUMBER: P3AS09R259827DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.8	39.6
10°-20°	306.3	47.3
20°-30°	69.1	10.7
30°-40°	11.2	1.7
40°-50°	2.0	0.3
50°-60°	1.1	0.2
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.1	0.0
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°	632.2	97.6
0°-40°	643.4	99.3
0°-60°	646.4	99.8
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3159	
5°	2919	257
15°	1101	306
25°	135	69
35°	13	11
45°	2	2
55°	1	1
65°	1	1
75°	0	1
85°	0	0
90°	0	

TEST NUMBER: P1271563

CATALOG NUMBER: P3AS09R259827DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3159.4
1°	3154.4
2°	3128.9
3°	3082.1
4°	3011.3
5°	2919.2
6°	2809.2
7°	2690.1
8°	2553.6
9°	2404.5
10°	2238.0
11°	2046.1
12°	1825.1
13°	1594.0
14°	1346.0
15°	1100.7
17.5°	627.2
20°	351.8
22.5°	212.3
25°	134.9
27.5°	83.0
30°	48.4
32.5°	25.5
35°	13.2
37.5°	8.7
40°	5.6
42.5°	3.6
45°	2.0
47.5°	1.5
50°	1.5
52.5°	1.5
55°	1.0
57.5°	1.0
60°	1.0
62.5°	1.0
65°	1.0
67.5°	1.0
70°	0.5
72.5°	0.5
75°	0.5
77.5°	0.5
80°	0.5
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1271563

CATALOG NUMBER: P3AS09R259827DE010 E3CD1MB

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)