

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: P1273176

Luminaire Tested: P3A02R659830DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R659830DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

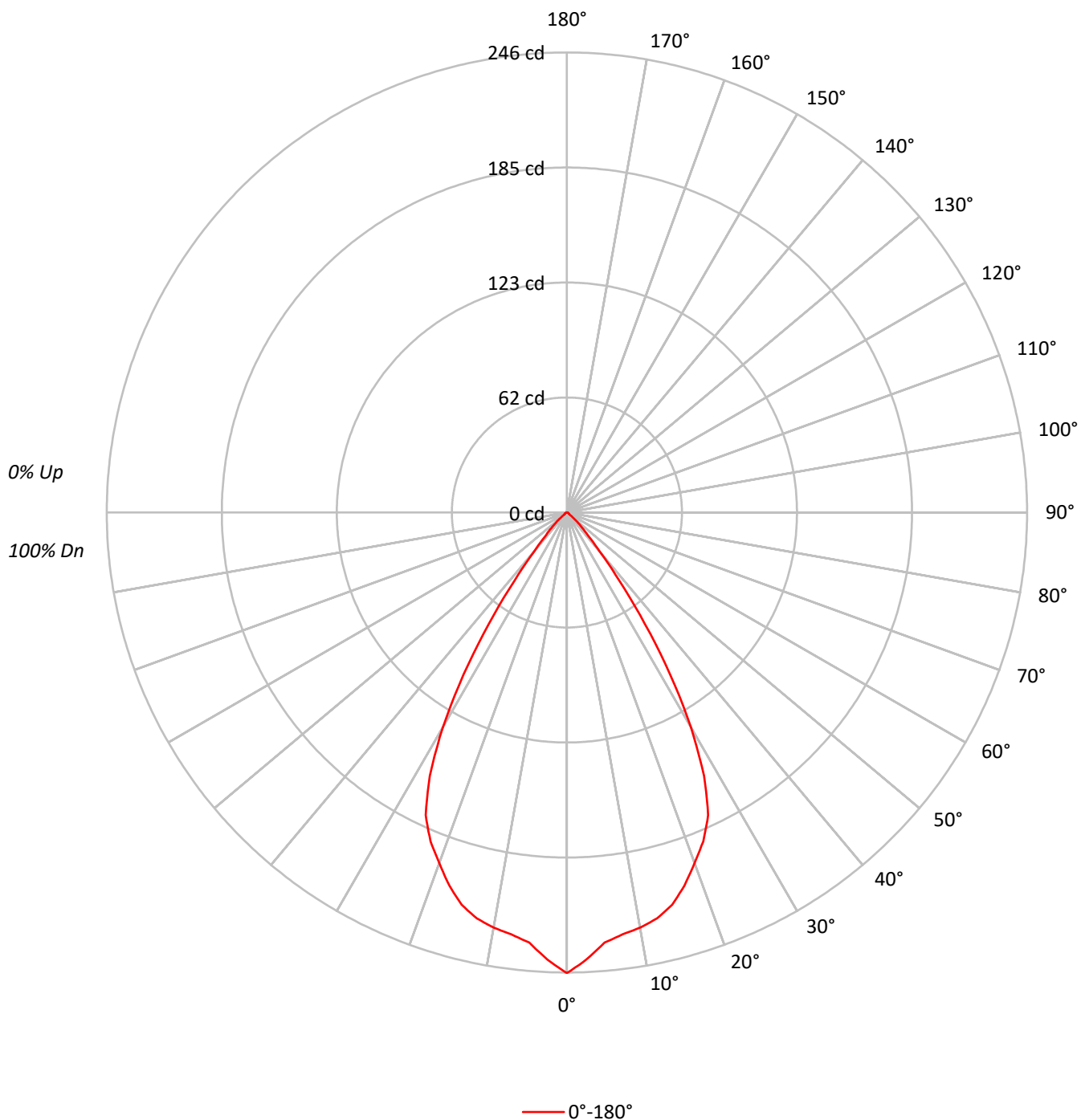
Lumens per Lamp: N/A
Luminaire Lumens: 221.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1273176

CATALOG NUMBER: P3A02R659830DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1273176

CATALOG NUMBER: P3A02R659830DE010 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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		87
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	78	74	91	83	78	74	81	77	73		80	76	73		78
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	79	70	64	60	78	69	64	60	68	63	60		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	61	56	53		60	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	54009
5°	50825
10°	50188
15°	49308
20°	46554
25°	43212
30°	33575
35°	19434
40°	7815
45°	3597
50°	1399
55°	535
60°	482
65°	467
70°	449
75°	424
80°	505
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3597 cd/sqm

TEST NUMBER: P1273176

CATALOG NUMBER: P3A02R659830DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	9.9
10°-20°	60.6	27.4
20°-30°	79.4	35.9
30°-40°	46.0	20.8
40°-50°	9.8	4.5
50°-60°	1.6	0.7
60°-70°	0.9	0.4
70°-80°	0.5	0.2
80°-90°	0.2	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°	162.0	73.3
0°-40°	208.0	94.1
0°-60°	219.4	99.3
0°-90°	221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	221.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	246	
5°	231	22
15°	217	61
25°	179	79
35°	73	46
45°	12	10
55°	1	2
65°	1	1
75°	0	1
85°	0	0
90°	0	

TEST NUMBER: P1273176

CATALOG NUMBER: P3A02R659830DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	246.3
2.5°	239.3
5°	230.9
7.5°	227.5
10°	225.4
12.5°	222.3
15°	217.2
17.5°	209.1
20°	199.5
22.5°	190.4
25°	178.6
27.5°	158.7
30°	132.6
32.5°	102.8
35°	72.6
37.5°	45.9
40°	27.3
42.5°	17.2
45°	11.6
47.5°	7.5
50°	4.1
52.5°	2.0
55°	1.4
57.5°	1.3
60°	1.1
62.5°	1.1
65°	0.9
67.5°	0.7
70°	0.7
72.5°	0.5
75°	0.5
77.5°	0.4
80°	0.4
82.5°	0.2
85°	0.2
87.5°	0.2
90°	0.0

(END OF REPORT)