

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: P1246118

Luminaire Tested: P3A05R309024DE010 E3PH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246118
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R309024DE010 E3PH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

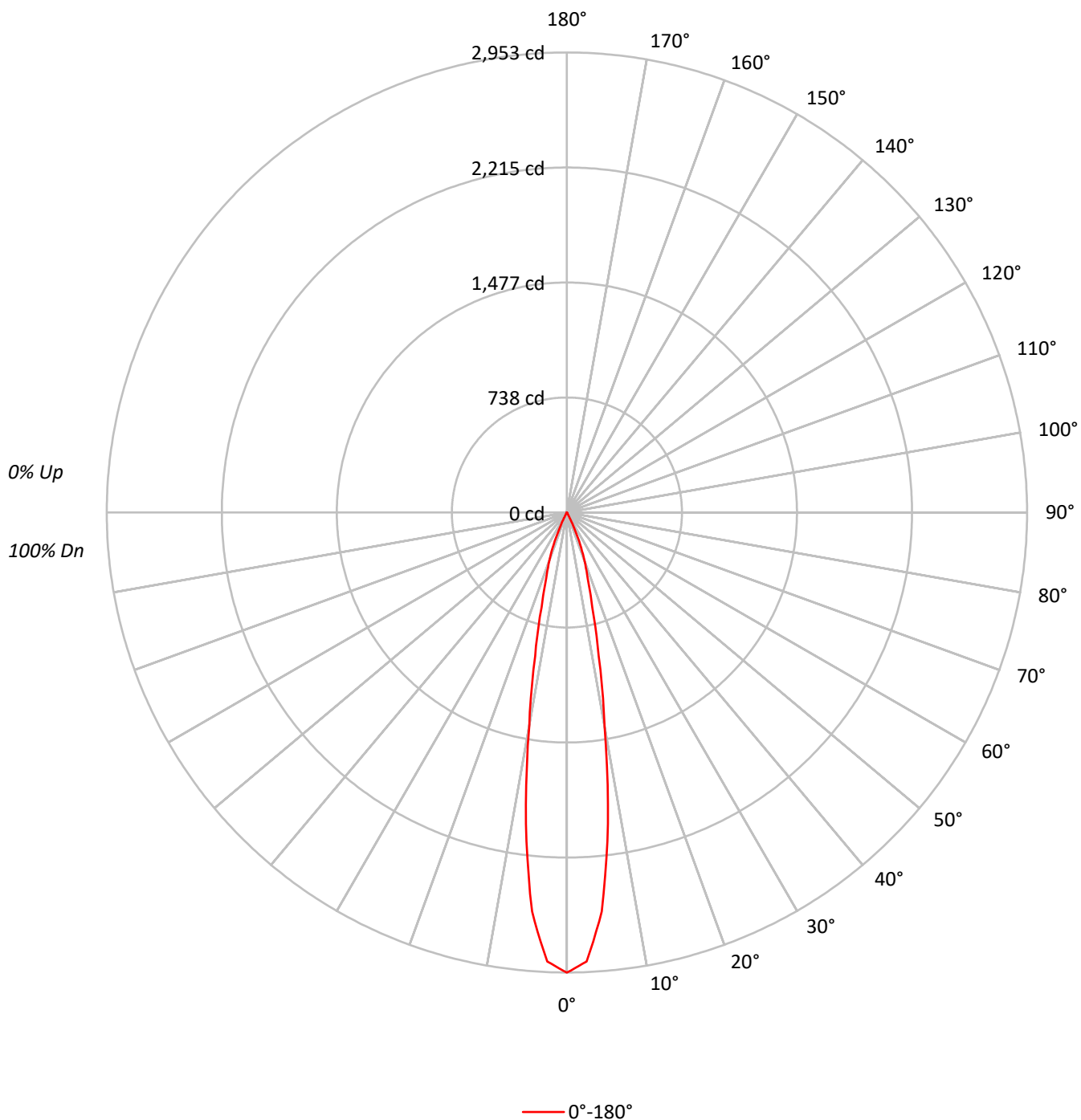
Lumens per Lamp: N/A
Luminaire Lumens: 455.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.33 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1246118

CATALOG NUMBER: P3A05R309024DE010 E3PH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1246118

CATALOG NUMBER: P3A05R309024DE010 E3PH1MW

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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	100		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	98	96	94		97	94	92		95
5	104	98	95	92	102	97	94	91	96	93	91		94	92	90		93
6	101	95	92	89	100	95	91	89	94	91	88		92	90	88		91
7	99	93	89	87	98	92	89	86	91	88	86		90	88	86		89
8	96	91	87	84	96	90	87	84	89	86	84		88	86	84		88
9	94	89	85	82	94	88	85	82	87	84	82		87	84	82		86
10	92	87	83	81	92	86	83	81	86	82	80		85	82	80		84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	647624
5°	565726
10°	310348
15°	142793
20°	76960
25°	26082
30°	3393
35°	509
40°	172
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 0 cd/sqm

TEST NUMBER: P1246118

CATALOG NUMBER: P3A05R309024DE010 E3PH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.9	45.3
10°-20°	188.7	41.5
20°-30°	58.0	12.8
30°-40°	2.2	0.5
40°-50°	0.2	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	452.6	99.5
0°-40°	454.8	100.0
0°-60°	455.0	100.0
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2953	
5°	2570	206
15°	629	189
25°	108	58
35°	2	2
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1246118

CATALOG NUMBER: P3A05R309024DE010 E3PH1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	2953.4
2.5°	2884.5
5°	2570.1
7.5°	2016.4
10°	1393.8
12.5°	943.4
15°	629.0
17.5°	440.8
20°	329.8
22.5°	222.0
25°	107.8
27.5°	39.5
30°	13.4
32.5°	4.5
35°	1.9
37.5°	1.3
40°	0.6
42.5°	0.6
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)