

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: P1256896

Luminaire Tested: P3AS09R159040DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R159040DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

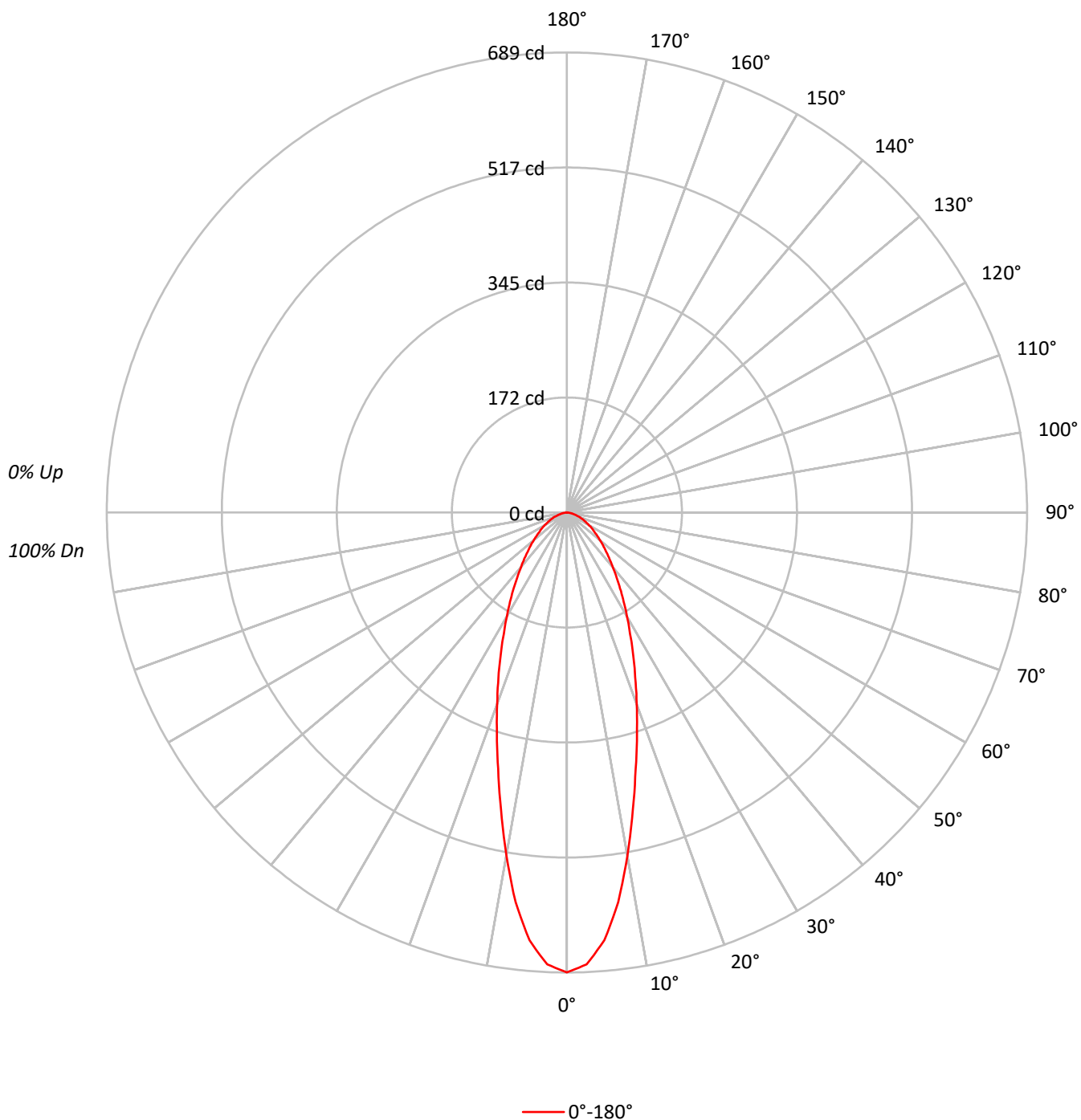
Lumens per Lamp: N/A
Luminaire Lumens: 519.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1256896

CATALOG NUMBER: P3AS09R159040DE010 E3PHLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1256896

CATALOG NUMBER: P3AS09R159040DE010 E3PHLD1MW

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	112	108	105	102	109	106	103	101	102	100	97		98	96	95		95
2	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	151041
5°	141580
10°	116097
15°	90193
20°	71196
25°	56737
30°	45551
35°	37182
40°	30629
45°	25770
50°	22140
55°	19153
60°	16972
65°	14788
70°	13143
75°	10590
80°	8587
85°	5787

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25770 cd/sqm

TEST NUMBER: P1256896

CATALOG NUMBER: P3AS09R159040DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.4	11.1
10°-20°	111.3	21.4
20°-30°	108.2	20.8
30°-40°	87.4	16.8
40°-50°	64.9	12.5
50°-60°	45.4	8.7
60°-70°	28.4	5.5
70°-80°	13.5	2.6
80°-90°	2.5	0.5
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°	276.9	53.4
0°-40°	364.3	70.2
0°-60°	474.6	91.5
0°-90°	519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	519.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	689	
5°	643	57
15°	397	111
25°	234	108
35°	139	87
45°	83	65
55°	50	45
65°	28	28
75°	12	13
85°	2	2
90°	0	

TEST NUMBER: P1256896

CATALOG NUMBER: P3AS09R159040DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	688.8
2.5°	677.4
5°	643.2
7.5°	588.6
10°	521.4
12.5°	455.4
15°	397.3
17.5°	348.4
20°	305.1
22.5°	267.5
25°	234.5
27.5°	204.9
30°	179.9
32.5°	158.2
35°	138.9
37.5°	121.8
40°	107.0
42.5°	94.5
45°	83.1
47.5°	74.0
50°	64.9
52.5°	56.9
55°	50.1
57.5°	44.4
60°	38.7
62.5°	33.0
65°	28.5
67.5°	23.9
70°	20.5
72.5°	15.9
75°	12.5
77.5°	9.1
80°	6.8
82.5°	3.4
85°	2.3
87.5°	0.0
90°	0.0

(END OF REPORT)