

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: P1251889

Luminaire Tested: P3AS13R159030DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251889
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: P3AS13R159030DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

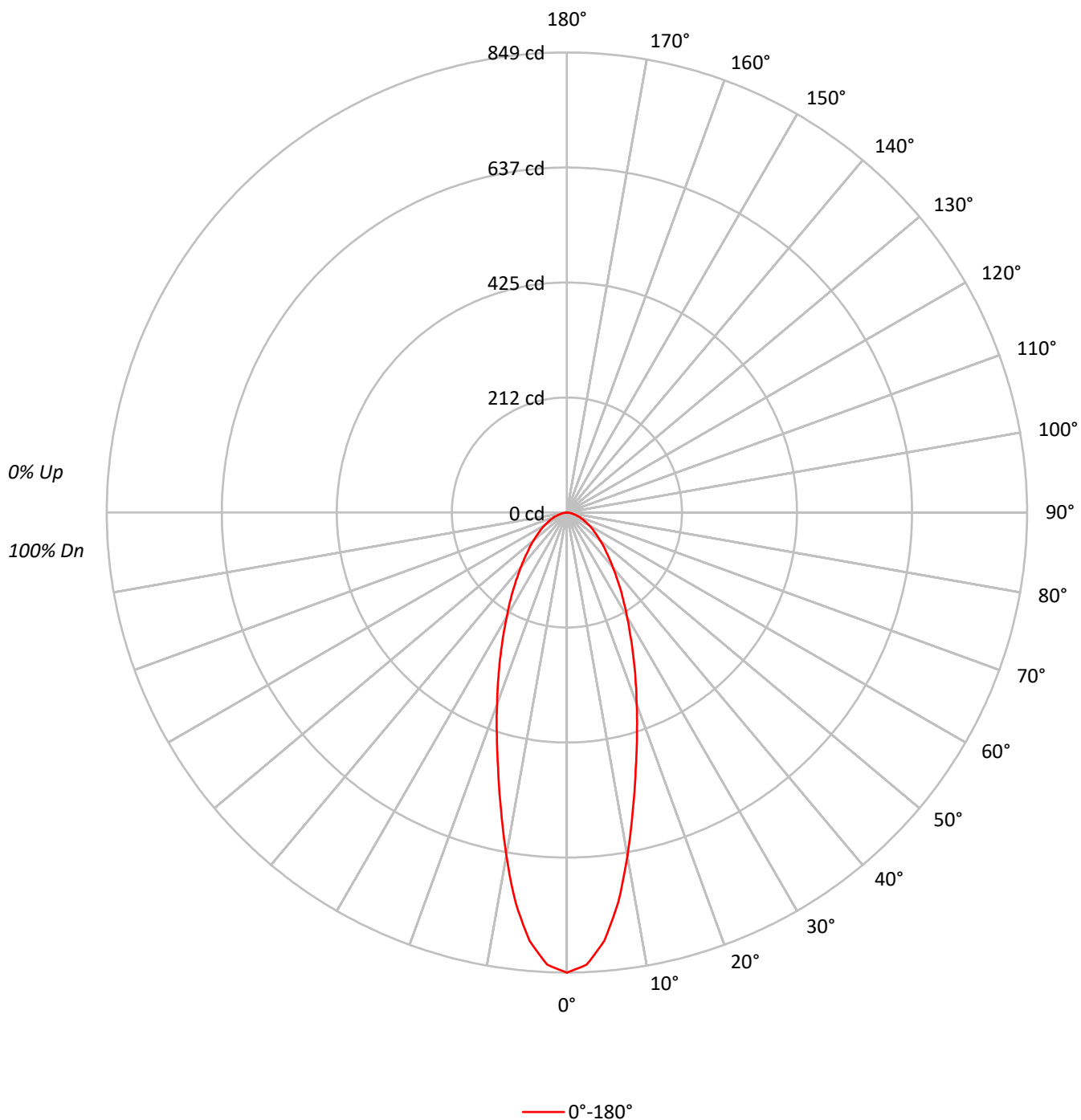
Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1251889

CATALOG NUMBER: P3AS13R159030DE010 E3PHLD1MW

Luminous Intensity Polar Plot



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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°	186235
5°	174598
10°	143173
15°	111215
20°	87788
25°	69972
30°	56161
35°	45856
40°	37785
45°	31786
50°	27291
55°	23626
60°	20919
65°	18212
70°	16221
75°	13047
80°	10607
85°	7045

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31786 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	11.1
10°-20°	137.2	21.4
20°-30°	133.4	20.8
30°-40°	107.8	16.8
40°-50°	80.1	12.5
50°-60°	55.9	8.7
60°-70°	35.0	5.5
70°-80°	16.6	2.6
80°-90°	3.0	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°	341.5	53.4
0°-40°	449.3	70.2
0°-60°	585.3	91.4
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	849	
5°	793	71
15°	490	137
25°	289	133
35°	171	108
45°	102	80
55°	62	56
65°	35	35
75°	15	17
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	849.3
2.5°	835.3
5°	793.2
7.5°	725.8
10°	643.0
12.5°	561.5
15°	489.9
17.5°	429.6
20°	376.2
22.5°	329.9
25°	289.2
27.5°	252.7
30°	221.8
32.5°	195.1
35°	171.3
37.5°	150.2
40°	132.0
42.5°	116.5
45°	102.5
47.5°	91.3
50°	80.0
52.5°	70.2
55°	61.8
57.5°	54.8
60°	47.7
62.5°	40.7
65°	35.1
67.5°	29.5
70°	25.3
72.5°	19.7
75°	15.4
77.5°	11.2
80°	8.4
82.5°	4.2
85°	2.8
87.5°	0.0
90°	0.0

(END OF REPORT)