

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: P1246844

Luminaire Tested: P3A13R209024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R209024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

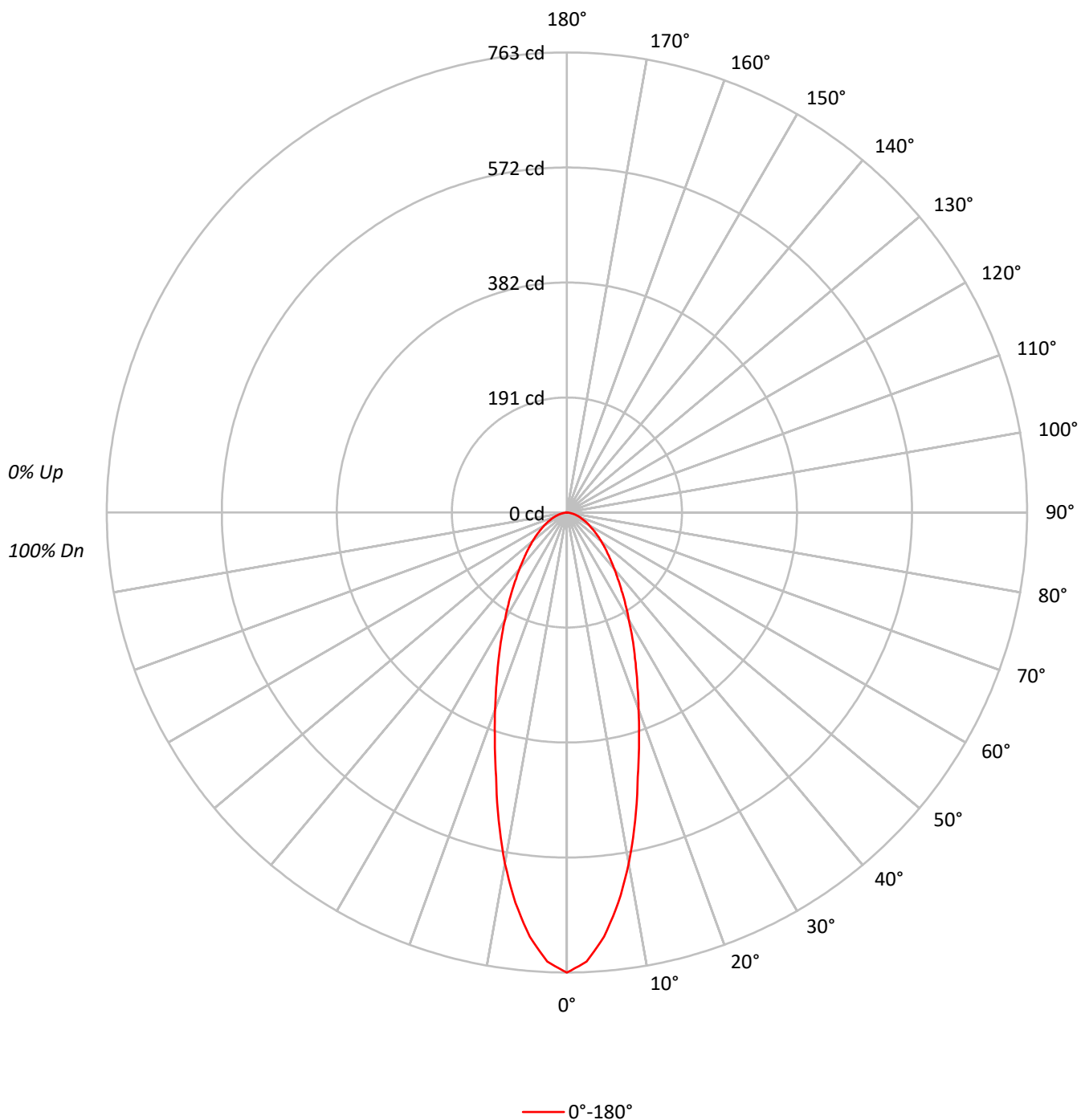
Lumens per Lamp: N/A
Luminaire Lumens: 590.0 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	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	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	64	58	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	167333
5°	155448
10°	131639
15°	103043
20°	81090
25°	64625
30°	51983
35°	42376
40°	35037
45°	29522
50°	25313
55°	21753
60°	18990
65°	16707
70°	14297
75°	12539
80°	9345
85°	6290

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	10.8
10°-20°	127.1	21.5
20°-30°	123.4	20.9
30°-40°	99.7	16.9
40°-50°	74.1	12.6
50°-60°	51.5	8.7
60°-70°	32.2	5.5
70°-80°	15.6	2.7
80°-90°	2.7	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°	314.2	53.3
0°-40°	413.9	70.1
0°-60°	539.4	91.4
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	763	
5°	706	64
15°	454	127
25°	267	123
35°	158	100
45°	95	74
55°	57	51
65°	32	32
75°	15	16
85°	2	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	763.1
2.5°	745.7
5°	706.2
7.5°	653.0
10°	591.2
12.5°	523.1
15°	453.9
17.5°	397.0
20°	347.5
22.5°	304.2
25°	267.1
27.5°	235.0
30°	205.3
32.5°	180.6
35°	158.3
37.5°	138.5
40°	122.4
42.5°	107.6
45°	95.2
47.5°	84.1
50°	74.2
52.5°	65.5
55°	56.9
57.5°	49.5
60°	43.3
62.5°	38.3
65°	32.2
67.5°	27.2
70°	22.3
72.5°	18.6
75°	14.8
77.5°	11.1
80°	7.4
82.5°	3.7
85°	2.5
87.5°	0.0
90°	0.0

(END OF REPORT)