

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: P1267739

Luminaire Tested: P3A17R209735DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1267739
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: P3A17R209735DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

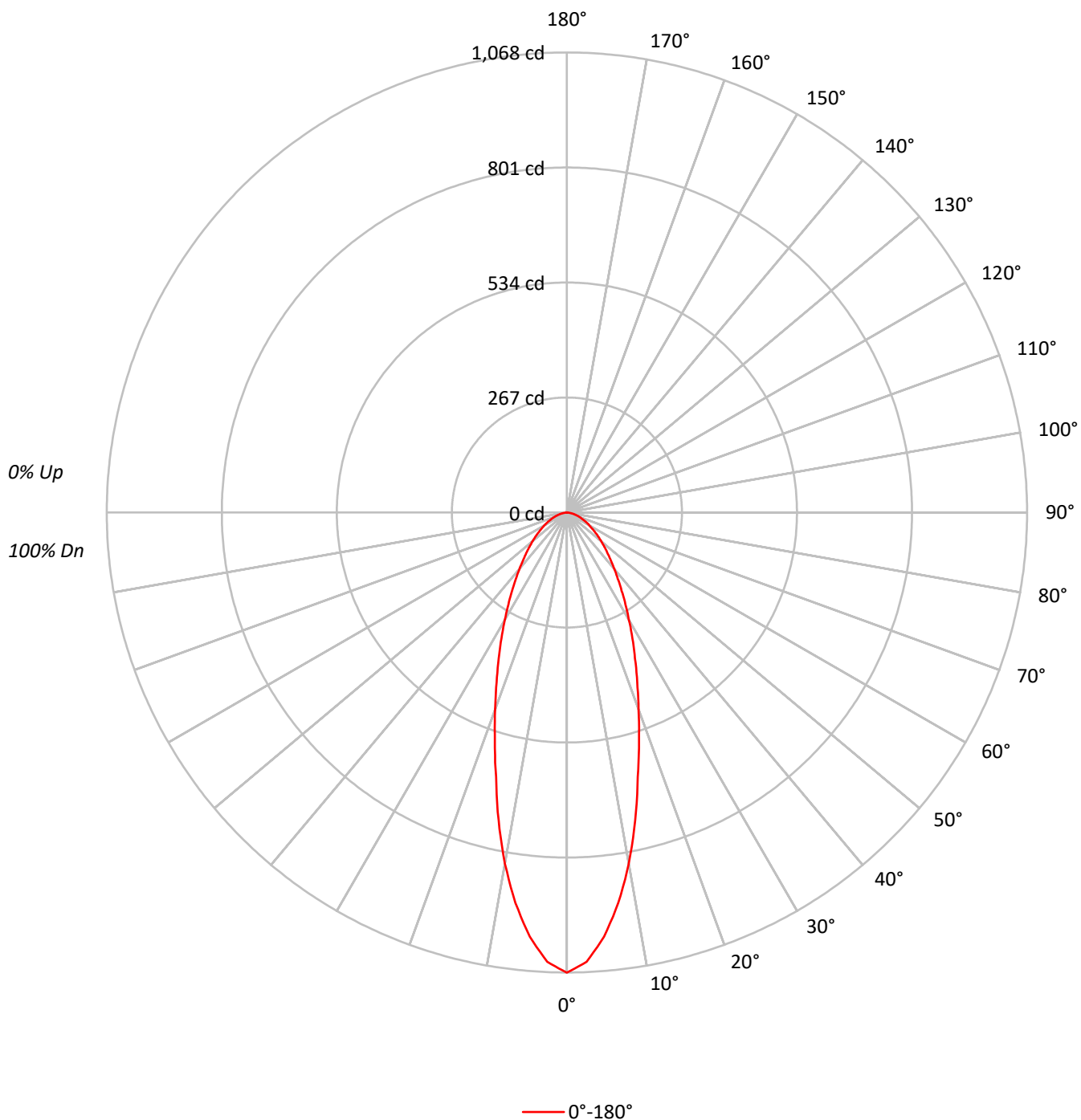
Lumens per Lamp: N/A
Luminaire Lumens: 826.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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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	63	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°	234258
5°	217609
10°	184276
15°	144246
20°	113527
25°	90489
30°	72771
35°	59321
40°	49063
45°	41338
50°	35444
55°	30431
60°	26577
65°	23349
70°	20003
75°	17622
80°	13133
85°	8806

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	10.8
10°-20°	177.9	21.5
20°-30°	172.7	20.9
30°-40°	139.6	16.9
40°-50°	103.7	12.6
50°-60°	72.1	8.7
60°-70°	45.1	5.5
70°-80°	21.9	2.7
80°-90°	3.8	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°	439.9	53.3
0°-40°	579.4	70.1
0°-60°	755.2	91.4
0°-90°	826.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1068	
5°	989	89
15°	635	178
25°	374	173
35°	222	140
45°	133	104
55°	80	72
65°	45	45
75°	21	22
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1068.3
2.5°	1044.0
5°	988.6
7.5°	914.2
10°	827.6
12.5°	732.4
15°	635.4
17.5°	555.8
20°	486.5
22.5°	425.9
25°	374.0
27.5°	329.0
30°	287.4
32.5°	252.8
35°	221.6
37.5°	193.9
40°	171.4
42.5°	150.6
45°	133.3
47.5°	117.7
50°	103.9
52.5°	91.8
55°	79.6
57.5°	69.3
60°	60.6
62.5°	53.7
65°	45.0
67.5°	38.1
70°	31.2
72.5°	26.0
75°	20.8
77.5°	15.6
80°	10.4
82.5°	5.2
85°	3.5
87.5°	0.0
90°	0.0

(END OF REPORT)