

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: P1269773

Luminaire Tested: P3A13R209740DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269773
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: P3A13R209740DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

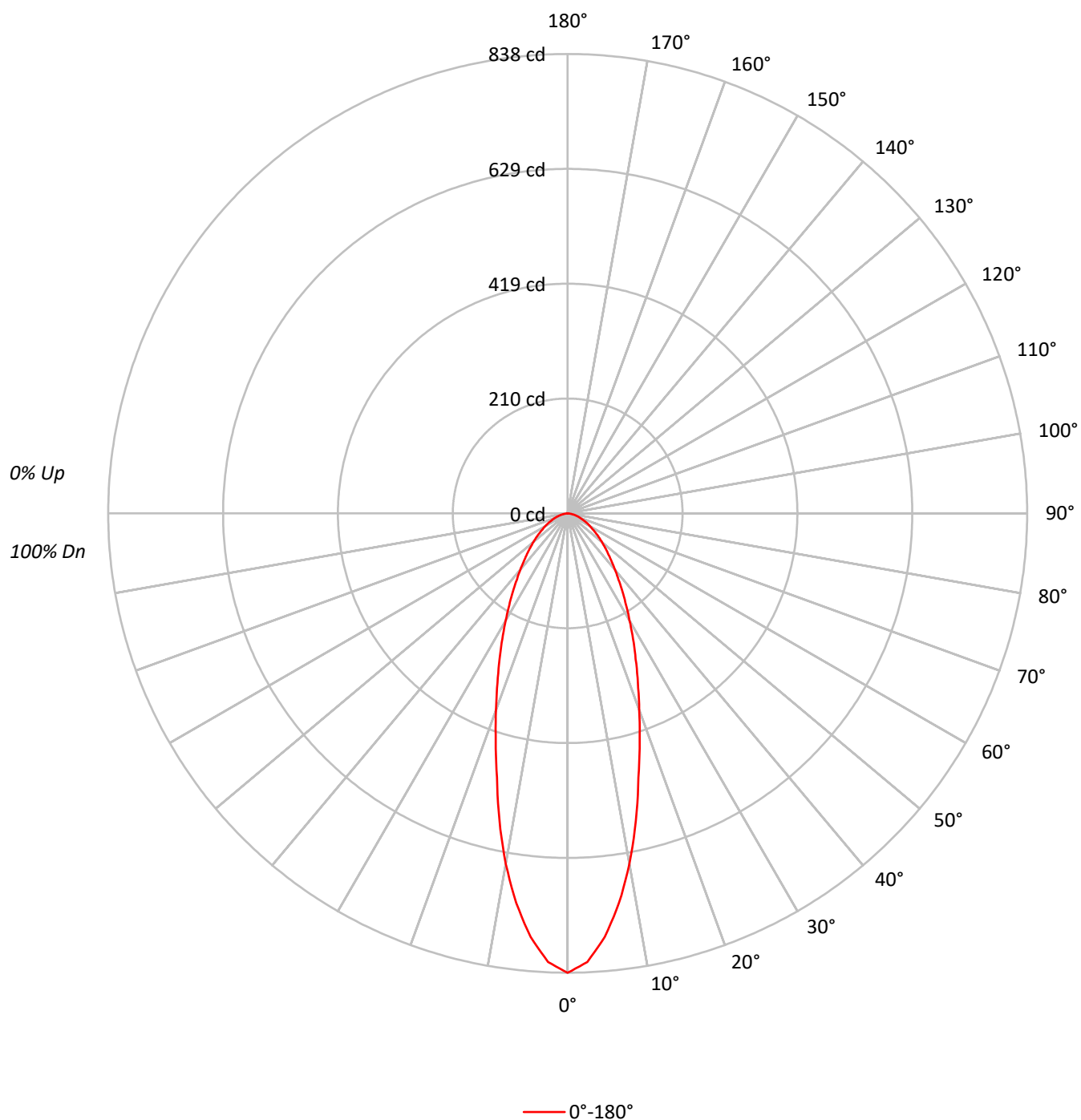
Lumens per Lamp: N/A
Luminaire Lumens: 648.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	183779
5°	170724
10°	144575
15°	113168
20°	89071
25°	70988
30°	57097
35°	46552
40°	38501
45°	32437
50°	27803
55°	23894
60°	20832
65°	18316
70°	15644
75°	13810
80°	10229
85°	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32437 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.0	10.8
10°-20°	139.6	21.5
20°-30°	135.5	20.9
30°-40°	109.5	16.9
40°-50°	81.4	12.6
50°-60°	56.5	8.7
60°-70°	35.4	5.5
70°-80°	17.2	2.6
80°-90°	2.9	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°	345.1	53.3
0°-40°	454.6	70.2
0°-60°	592.5	91.4
0°-90°	648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	838	
5°	776	70
15°	498	140
25°	293	136
35°	174	109
45°	105	81
55°	62	57
65°	35	35
75°	16	17
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	838.1
2.5°	819.1
5°	775.6
7.5°	717.2
10°	649.3
12.5°	574.6
15°	498.5
17.5°	436.0
20°	381.7
22.5°	334.1
25°	293.4
27.5°	258.1
30°	225.5
32.5°	198.3
35°	173.9
37.5°	152.1
40°	134.5
42.5°	118.2
45°	104.6
47.5°	92.4
50°	81.5
52.5°	72.0
55°	62.5
57.5°	54.3
60°	47.5
62.5°	42.1
65°	35.3
67.5°	29.9
70°	24.4
72.5°	20.4
75°	16.3
77.5°	12.2
80°	8.1
82.5°	4.1
85°	2.7
87.5°	0.0
90°	0.0

(END OF REPORT)