

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: P1273973

Luminaire Tested: P3A13R209830DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273973
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: P3A13R209830DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

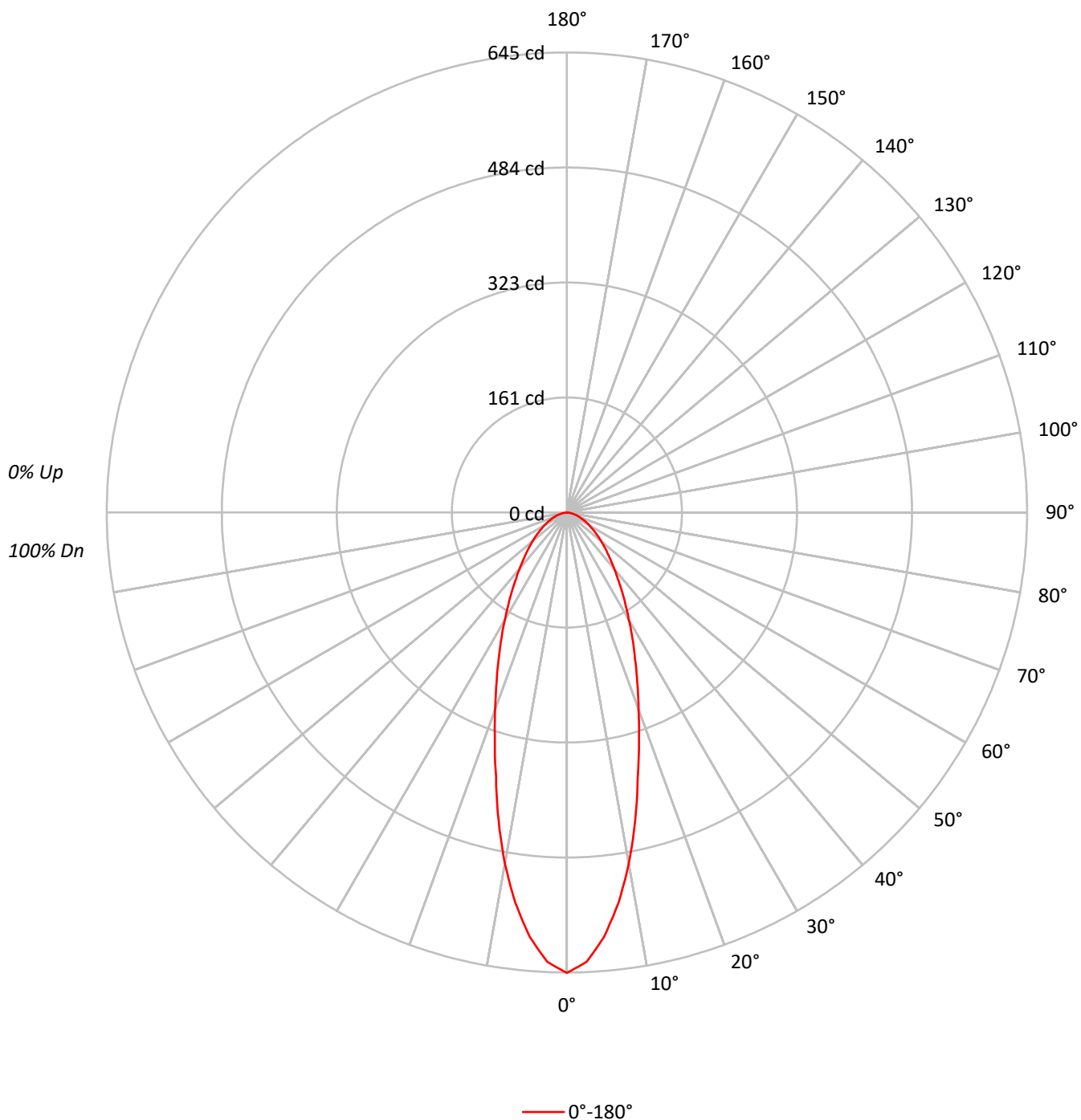
Lumens per Lamp: N/A
Luminaire Lumens: 499.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	141524
5°	131455
10°	111332
15°	87151
20°	68583
25°	54656
30°	43956
35°	35844
40°	29656
45°	24964
50°	21424
55°	18389
60°	16051
65°	14113
70°	12053
75°	10675
80°	7956
85°	5284

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24964 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	10.8
10°-20°	107.5	21.5
20°-30°	104.3	20.9
30°-40°	84.3	16.9
40°-50°	62.7	12.6
50°-60°	43.5	8.7
60°-70°	27.3	5.5
70°-80°	13.2	2.7
80°-90°	2.3	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°	265.7	53.3
0°-40°	350.0	70.2
0°-60°	456.2	91.4
0°-90°	499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	645	
5°	597	54
15°	384	107
25°	226	104
35°	134	84
45°	80	63
55°	48	44
65°	27	27
75°	13	13
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	645.4
2.5°	630.7
5°	597.2
7.5°	552.3
10°	500.0
12.5°	442.4
15°	383.9
17.5°	335.8
20°	293.9
22.5°	257.3
25°	225.9
27.5°	198.7
30°	173.6
32.5°	152.7
35°	133.9
37.5°	117.1
40°	103.6
42.5°	91.0
45°	80.5
47.5°	71.1
50°	62.8
52.5°	55.4
55°	48.1
57.5°	41.8
60°	36.6
62.5°	32.4
65°	27.2
67.5°	23.0
70°	18.8
72.5°	15.7
75°	12.6
77.5°	9.4
80°	6.3
82.5°	3.1
85°	2.1
87.5°	0.0
90°	0.0

(END OF REPORT)