

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: P1265738

Luminaire Tested: P3A20R209730D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265738
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: P3A20R209730D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

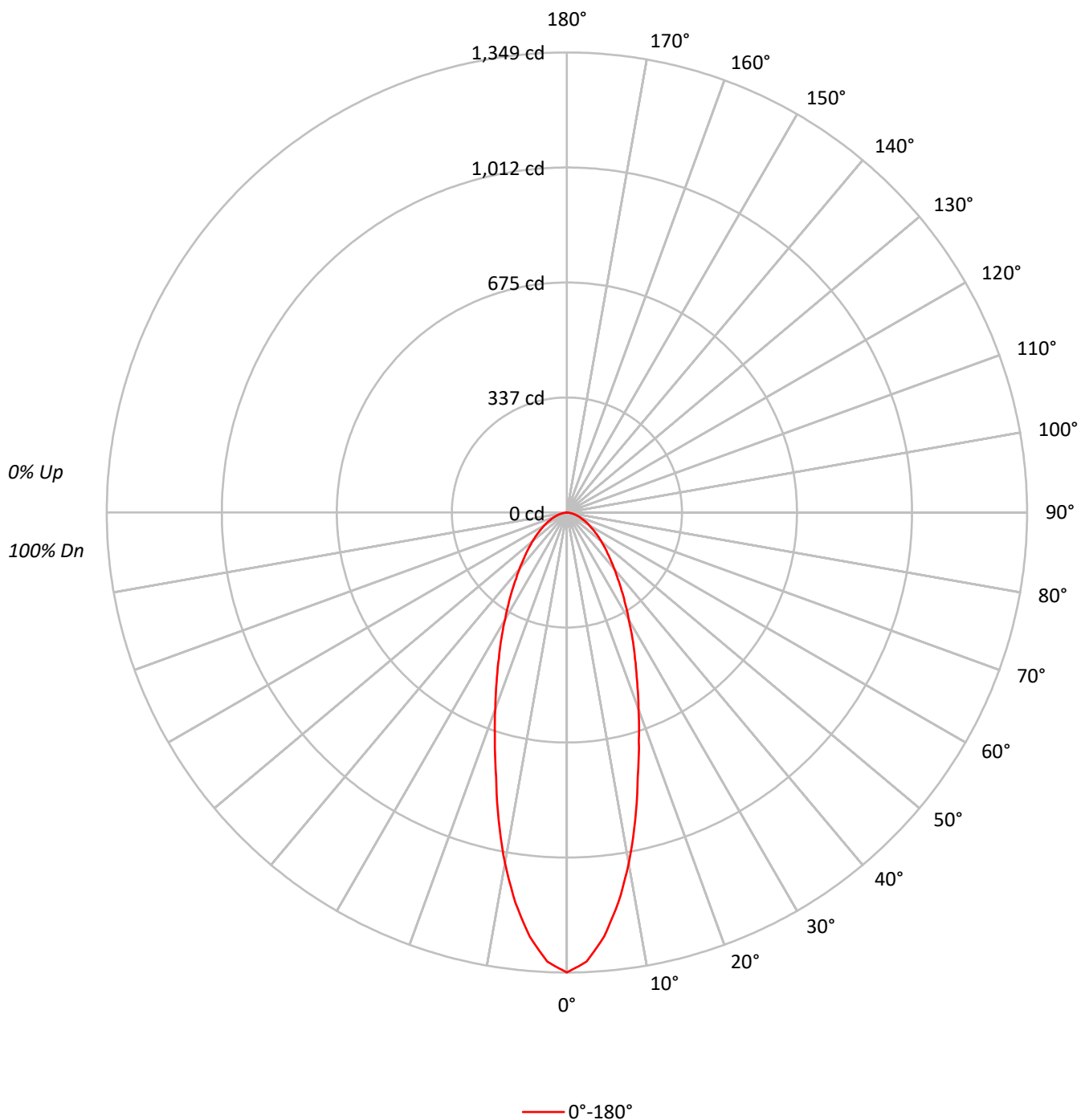
Lumens per Lamp: N/A
Luminaire Lumens: 1043.0 lumens
Efficiency: N/A
Efficacy: 36.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	295788
5°	274796
10°	232683
15°	182158
20°	143349
25°	114249
30°	91888
35°	74900
40°	61945
45°	52191
50°	44758
55°	38460
60°	33550
65°	29471
70°	25261
75°	22198
80°	16543
85°	11070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	10.8
10°-20°	224.6	21.5
20°-30°	218.1	20.9
30°-40°	176.2	16.9
40°-50°	131.0	12.6
50°-60°	91.0	8.7
60°-70°	57.0	5.5
70°-80°	27.7	2.7
80°-90°	4.8	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°	555.4	53.3
0°-40°	731.6	70.1
0°-60°	953.6	91.4
0°-90°	1043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1043.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1349	
5°	1248	113
15°	802	225
25°	472	218
35°	280	176
45°	168	131
55°	101	91
65°	57	57
75°	26	28
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1348.9
2.5°	1318.3
5°	1248.4
7.5°	1154.3
10°	1045.0
12.5°	924.8
15°	802.4
17.5°	701.8
20°	614.3
22.5°	537.8
25°	472.2
27.5°	415.4
30°	362.9
32.5°	319.2
35°	279.8
37.5°	244.9
40°	216.4
42.5°	190.2
45°	168.3
47.5°	148.7
50°	131.2
52.5°	115.9
55°	100.6
57.5°	87.5
60°	76.5
62.5°	67.8
65°	56.8
67.5°	48.1
70°	39.4
72.5°	32.8
75°	26.2
77.5°	19.7
80°	13.1
82.5°	6.6
85°	4.4
87.5°	0.0
90°	0.0

(END OF REPORT)