

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: P1270496

Luminaire Tested: P3A20R209740D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270496
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: P3A20R209740D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

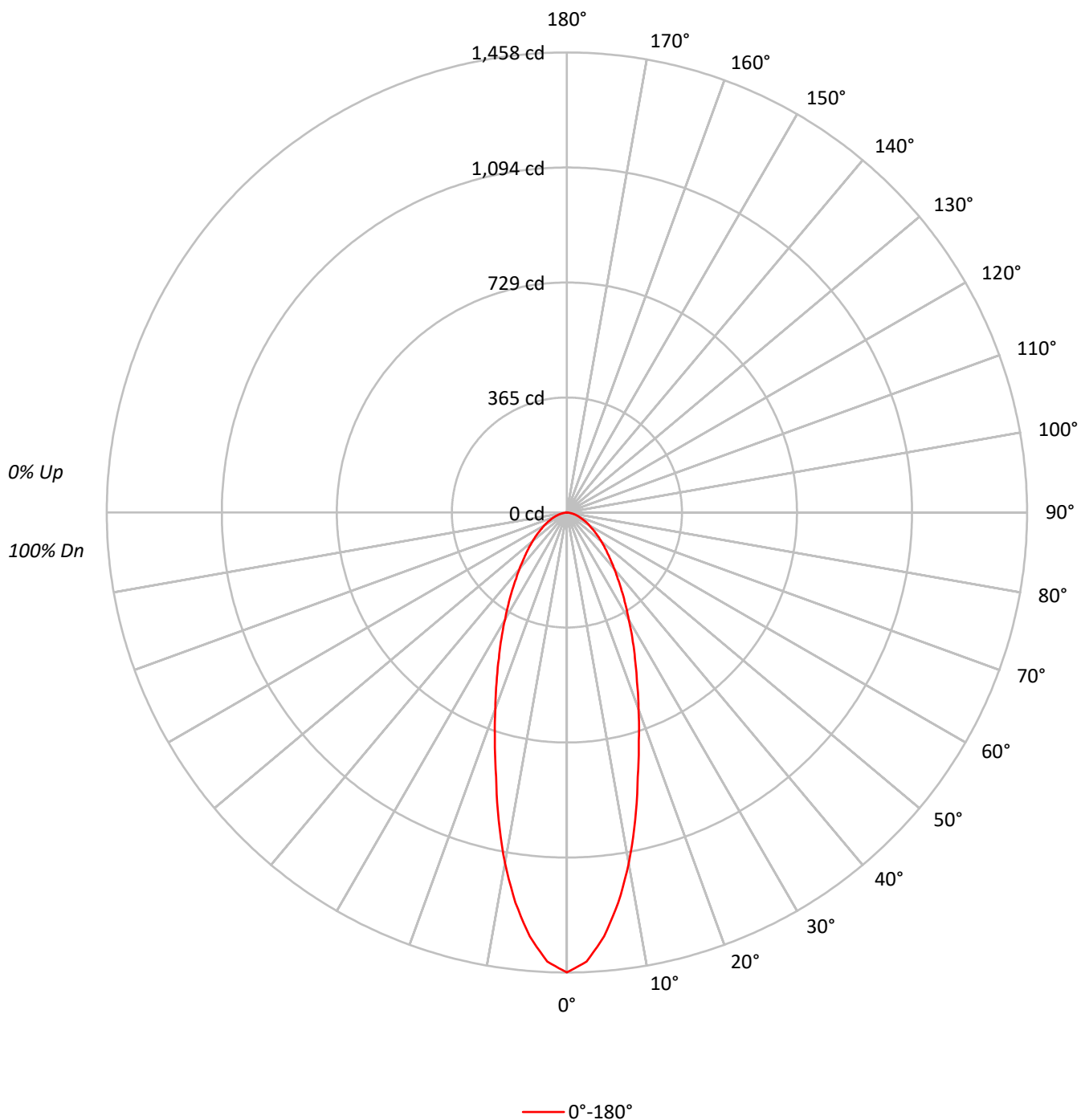
Lumens per Lamp: N/A
Luminaire Lumens: 1127.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	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°	319624
5°	296918
10°	251432
15°	196823
20°	154900
25°	123467
30°	99281
35°	80950
40°	66954
45°	56409
50°	48340
55°	41556
60°	36269
65°	31858
70°	27248
75°	23977
80°	17932
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	10.8
10°-20°	242.7	21.5
20°-30°	235.7	20.9
30°-40°	190.4	16.9
40°-50°	141.5	12.6
50°-60°	98.3	8.7
60°-70°	61.6	5.5
70°-80°	29.9	2.7
80°-90°	5.1	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°	600.2	53.3
0°-40°	790.6	70.2
0°-60°	1030.4	91.4
0°-90°	1127.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1127.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1458	
5°	1349	122
15°	867	243
25°	510	236
35°	302	190
45°	182	141
55°	109	98
65°	61	62
75°	28	30
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1457.6
2.5°	1424.5
5°	1348.9
7.5°	1247.3
10°	1129.2
12.5°	999.3
15°	867.0
17.5°	758.3
20°	663.8
22.5°	581.1
25°	510.3
27.5°	448.8
30°	392.1
32.5°	344.9
35°	302.4
37.5°	264.6
40°	233.9
42.5°	205.5
45°	181.9
47.5°	160.6
50°	141.7
52.5°	125.2
55°	108.7
57.5°	94.5
60°	82.7
62.5°	73.2
65°	61.4
67.5°	52.0
70°	42.5
72.5°	35.4
75°	28.3
77.5°	21.3
80°	14.2
82.5°	7.1
85°	4.7
87.5°	0.0
90°	0.0

(END OF REPORT)