

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: P1274663

Luminaire Tested: P3AS20R209830D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274663
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: P3AS20R209830D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

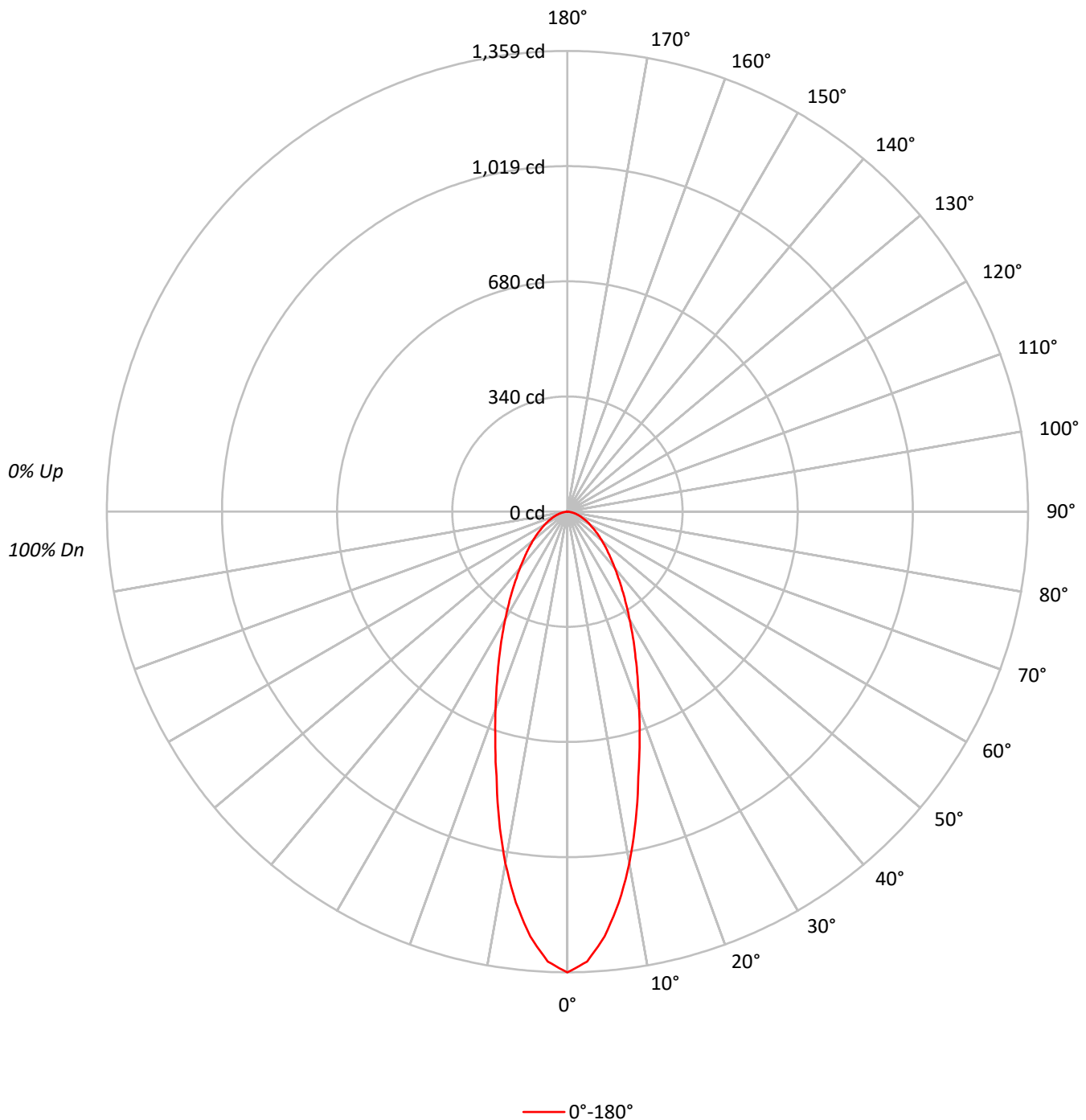
Lumens per Lamp: N/A
Luminaire Lumens: 1051.0 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1274663

CATALOG NUMBER: P3AS20R209830D010 E3PHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1274663

CATALOG NUMBER: P3AS20R209830D010 E3PHLD1MW

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°	298068
5°	276887
10°	234487
15°	183542
20°	144469
25°	115144
30°	92597
35°	75489
40°	62431
45°	52595
50°	45099
55°	38727
60°	33813
65°	29731
70°	25453
75°	22367
80°	16669
85°	11070

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 52595 cd/sqm

TEST NUMBER: P1274663

CATALOG NUMBER: P3AS20R209830D010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	10.8
10°-20°	226.4	21.5
20°-30°	219.8	20.9
30°-40°	177.6	16.9
40°-50°	132.0	12.6
50°-60°	91.7	8.7
60°-70°	57.5	5.5
70°-80°	27.8	2.6
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°	559.7	53.3
0°-40°	737.3	70.2
0°-60°	960.9	91.4
0°-90°	1051.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1051.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1359	
5°	1258	114
15°	808	226
25°	476	220
35°	282	178
45°	170	132
55°	101	92
65°	57	57
75°	26	28
85°	4	5
90°	0	

TEST NUMBER: P1274663

CATALOG NUMBER: P3AS20R209830D010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1359.3
2.5°	1328.4
5°	1257.9
7.5°	1163.2
10°	1053.1
12.5°	931.9
15°	808.5
17.5°	707.2
20°	619.1
22.5°	541.9
25°	475.9
27.5°	418.6
30°	365.7
32.5°	321.6
35°	282.0
37.5°	246.7
40°	218.1
42.5°	191.7
45°	169.6
47.5°	149.8
50°	132.2
52.5°	116.8
55°	101.3
57.5°	88.1
60°	77.1
62.5°	68.3
65°	57.3
67.5°	48.5
70°	39.7
72.5°	33.0
75°	26.4
77.5°	19.8
80°	13.2
82.5°	6.6
85°	4.4
87.5°	0.0
90°	0.0

(END OF REPORT)