

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: P1274318

Luminaire Tested: P3A17R209830DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274318
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: P3A17R209830DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

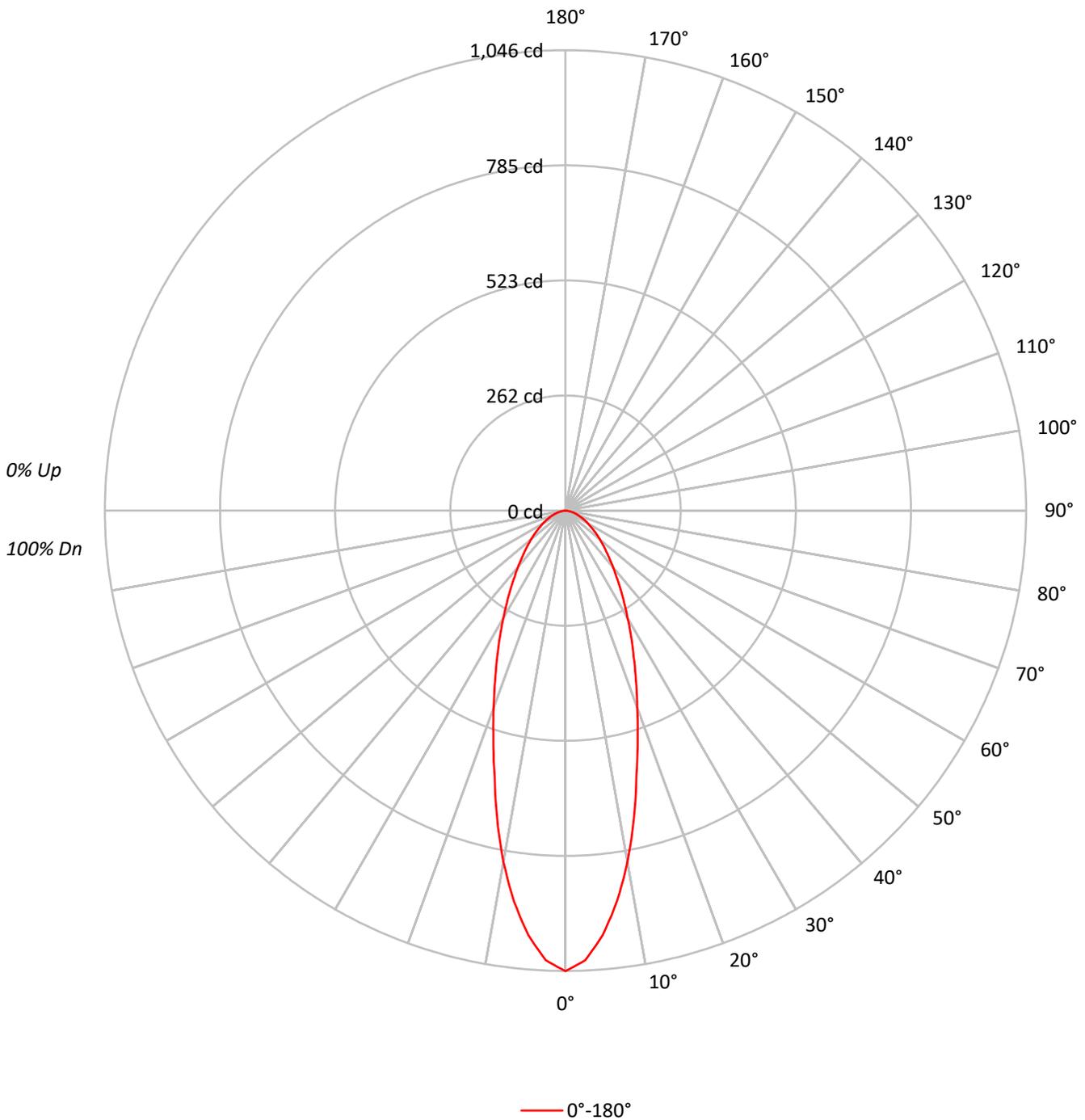
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 809.0 lumens
Efficiency: N/A
Efficacy: 39.7 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): 20.4
Input Voltage (V): NR
Input Current (A_{in}): 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: P1274318
CATALOG NUMBER: P3A17R209830DE010 E3PHLD1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1274318
 CATALOG NUMBER: P3A17R209830DE010 E3PHLD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10		0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80	80	80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72	72	72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60	60	60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55	55	55
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51	51	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47	47	47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44	44	44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41	41	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	229433
5°	213141
10°	180491
15°	141272
20°	111193
25°	88626
30°	71277
35°	58116
40°	48061
45°	40500
50°	34694
55°	29820
60°	26051
65°	22882
70°	19555
75°	17199
80°	12880
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 40500 cd/sqm



TEST NUMBER: P1274318
 CATALOG NUMBER: P3A17R209830DE010 E3PHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	10.8
10°-20°	174.2	21.5
20°-30°	169.2	20.9
30°-40°	136.7	16.9
40°-50°	101.6	12.6
50°-60°	70.6	8.7
60°-70°	44.2	5.5
70°-80°	21.4	2.6
80°-90°	3.7	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°	430.8	53.3
0°-40°	567.5	70.2
0°-60°	739.7	91.4
0°-90°	809.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	809.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1046	
5°	968	87
15°	622	174
25°	366	169
35°	217	137
45°	131	102
55°	78	71
65°	44	44
75°	20	21
85°	3	4
90°	0	



TEST NUMBER: P1274318
CATALOG NUMBER: P3A17R209830DE010 E3PHLD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1046.3
2.5°	1022.6
5°	968.3
7.5°	895.4
10°	810.6
12.5°	717.3
15°	622.3
17.5°	544.3
20°	476.5
22.5°	417.2
25°	366.3
27.5°	322.2
30°	281.5
32.5°	247.6
35°	217.1
37.5°	189.9
40°	167.9
42.5°	147.5
45°	130.6
47.5°	115.3
50°	101.7
52.5°	89.9
55°	78.0
57.5°	67.8
60°	59.4
62.5°	52.6
65°	44.1
67.5°	37.3
70°	30.5
72.5°	25.4
75°	20.3
77.5°	15.3
80°	10.2
82.5°	5.1
85°	3.4
87.5°	0.0
90°	0.0

(END OF REPORT)