

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: P1250070

Luminaire Tested: P3AS20R459027D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1250070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459027D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

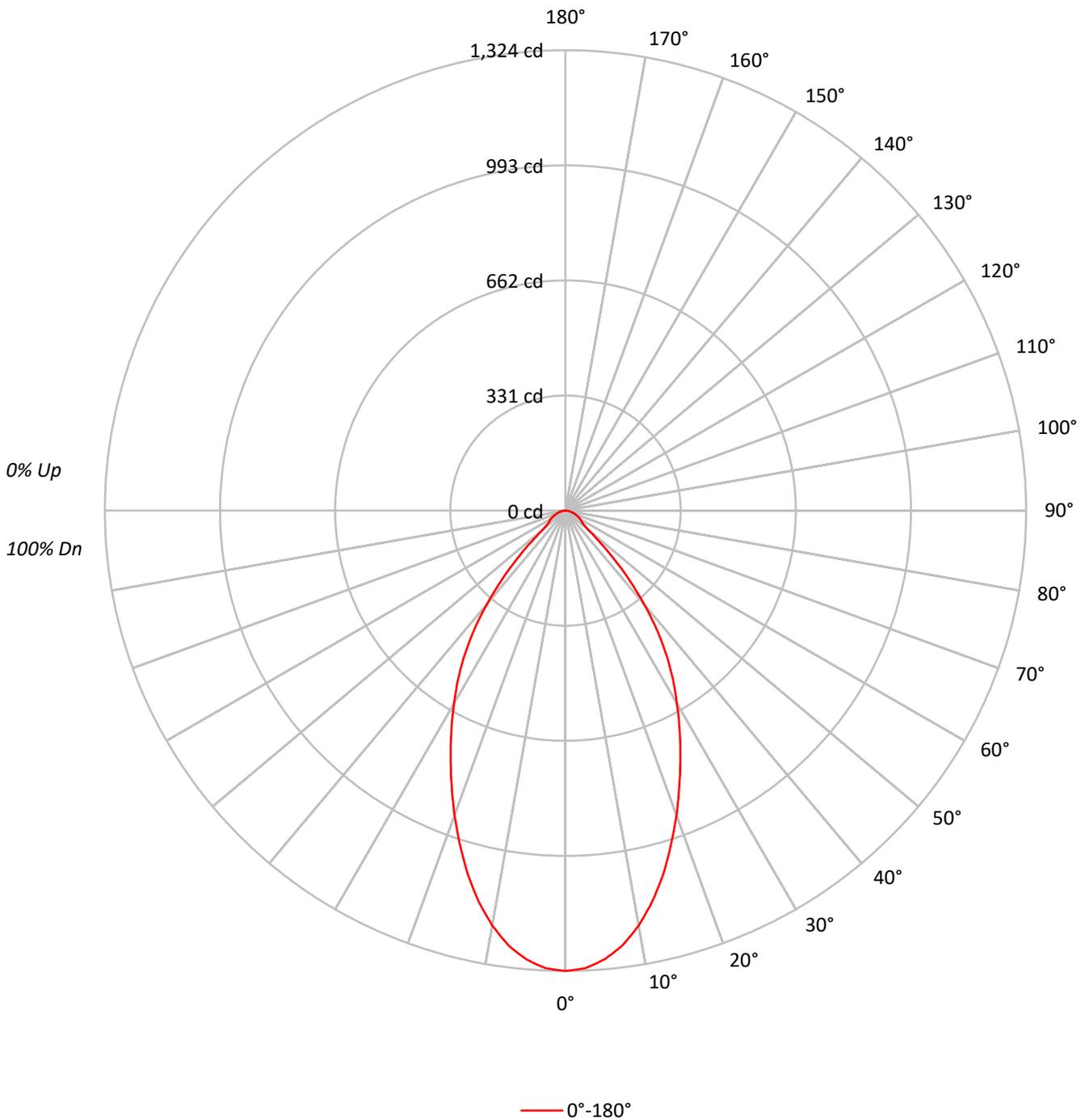
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1369.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
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

TEST NUMBER: P1250070
CATALOG NUMBER: P3AS20R459027D010 E3DLD1WMH

Luminous Intensity Polar Plot





TEST NUMBER: P1250070
 CATALOG NUMBER: P3AS20R459027D010 E3DLD1WMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	99	92	86	82	97	90	85	81	88	83	80	85	81	78	83	80	77	75			75
4	94	85	78	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69			69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	65	72	68	65	63			63
6	83	73	66	61	81	72	66	61	71	65	61	69	64	60	68	63	60	58			58
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54			54
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	52	50			50
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47			47
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	44			44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	290262
5°	285119
10°	269801
15°	246063
20°	217579
25°	188963
30°	162177
35°	135158
40°	100703
45°	61650
50°	28519
55°	22327
60°	21446
65°	19665
70°	18208
75°	17368
80°	15911
85°	11825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 61650 cd/sqm



TEST NUMBER: P1250070
 CATALOG NUMBER: P3AS20R459027D010 E3DLD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.0	8.8
10°-20°	301.8	22.0
20°-30°	358.5	26.2
30°-40°	311.5	22.8
40°-50°	156.2	11.4
50°-60°	54.2	4.0
60°-70°	38.0	2.8
70°-80°	21.2	1.6
80°-90°	6.4	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°	781.3	57.1
0°-40°	1092.8	79.8
0°-60°	1303.3	95.2
0°-90°	1369.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1369.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1324	
5°	1295	121
15°	1084	302
25°	781	359
35°	505	312
45°	199	156
55°	58	54
65°	38	38
75°	20	21
85°	5	6
90°	0	

TEST NUMBER: P1250070
CATALOG NUMBER: P3AS20R459027D010 E3DLD1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1323.7
2.5°	1317.4
5°	1295.3
7.5°	1260.6
10°	1211.7
12.5°	1151.7
15°	1083.9
17.5°	1008.1
20°	932.4
22.5°	855.1
25°	781.0
27.5°	710.0
30°	640.5
32.5°	574.3
35°	504.9
37.5°	430.7
40°	351.8
42.5°	274.5
45°	198.8
47.5°	130.9
50°	83.6
52.5°	64.7
55°	58.4
57.5°	53.6
60°	48.9
62.5°	44.2
65°	37.9
67.5°	33.1
70°	28.4
72.5°	23.7
75°	20.5
77.5°	15.8
80°	12.6
82.5°	9.5
85°	4.7
87.5°	3.2
90°	0.0

(END OF REPORT)