

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: P1249993

Luminaire Tested: P3AS20R309027D010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R309027D010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

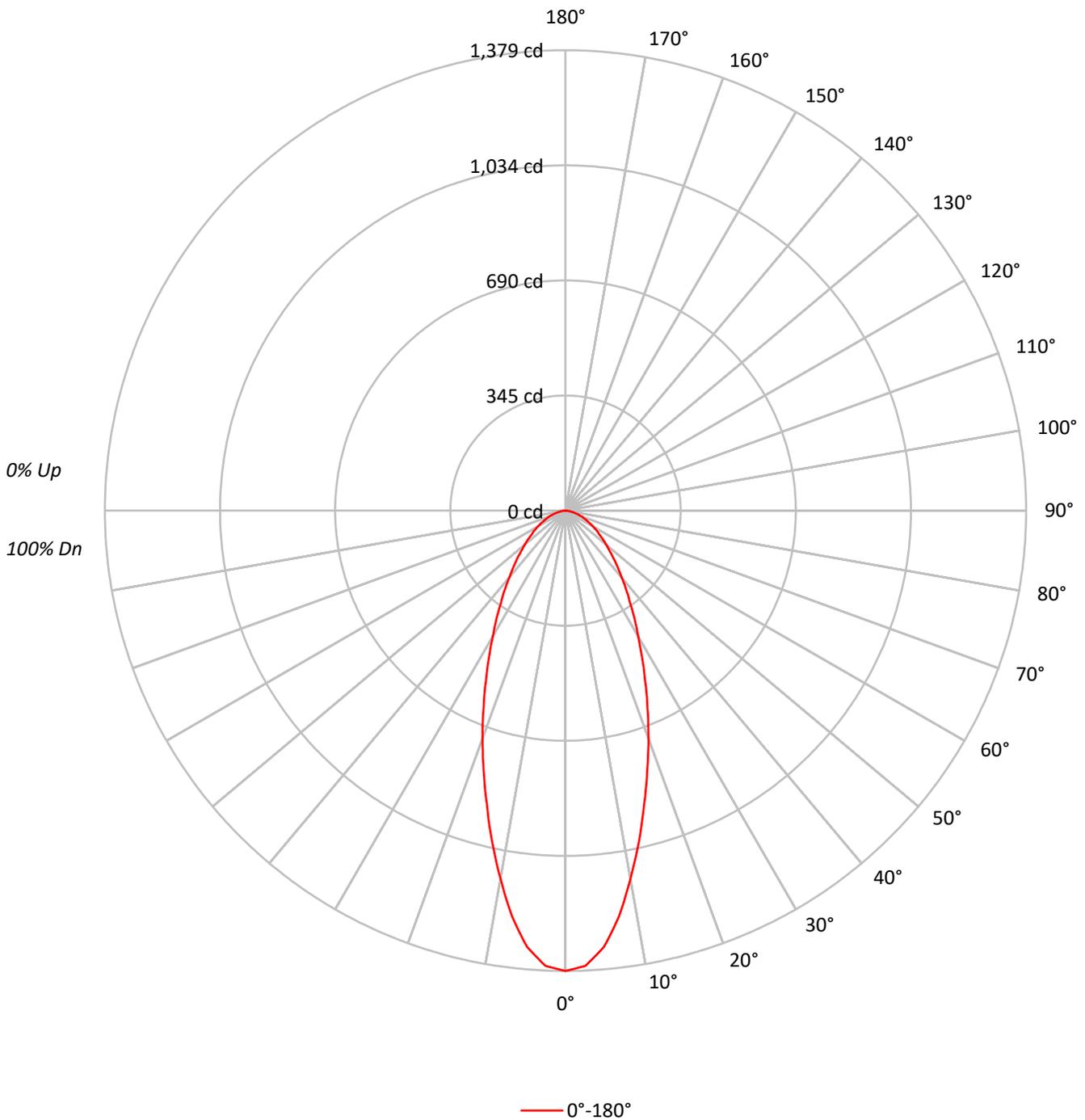
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1227.1 lumens
Efficiency: N/A
Efficacy: 42.6 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.74
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			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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90			90
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80			80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71			71
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			59
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54			54
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			50
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	48	46			46
9	68	57	50	45	66	56	49	45	55	49	45	54	49	45	53	48	44	43			43
10	64	53	47	42	63	53	46	42	52	46	42	51	46	42	50	45	42	40			40

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	302344
5°	288971
10°	249249
15°	206607
20°	169368
25°	136532
30°	110042
35°	90132
40°	74912
45°	63510
50°	54344
55°	46985
60°	41926
65°	36580
70°	32121
75°	27027
80°	20078
85°	11573

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 63510 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.0	9.7
10°-20°	253.8	20.7
20°-30°	260.1	21.2
30°-40°	212.6	17.3
40°-50°	159.0	13.0
50°-60°	111.7	9.1
60°-70°	70.3	5.7
70°-80°	33.9	2.8
80°-90°	6.5	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°	632.9	51.6
0°-40°	845.6	68.9
0°-60°	1116.4	91.0
0°-90°	1227.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1379	
5°	1313	119
15°	910	254
25°	564	260
35°	337	213
45°	205	159
55°	123	112
65°	70	70
75°	32	34
85°	5	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1378.8
2.5°	1365.2
5°	1312.8
7.5°	1226.4
10°	1119.4
12.5°	1014.8
15°	910.1
17.5°	814.6
20°	725.8
22.5°	641.6
25°	564.3
27.5°	496.0
30°	434.6
32.5°	384.5
35°	336.7
37.5°	298.1
40°	261.7
42.5°	232.1
45°	204.8
47.5°	179.7
50°	159.3
52.5°	141.1
55°	122.9
57.5°	109.2
60°	95.6
62.5°	81.9
65°	70.5
67.5°	59.2
70°	50.1
72.5°	41.0
75°	31.9
77.5°	22.8
80°	15.9
82.5°	9.1
85°	4.6
87.5°	2.3
90°	0.0

(END OF REPORT)