

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: P1249930

Luminaire Tested: P3AS20R209027D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1249930
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R209027D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

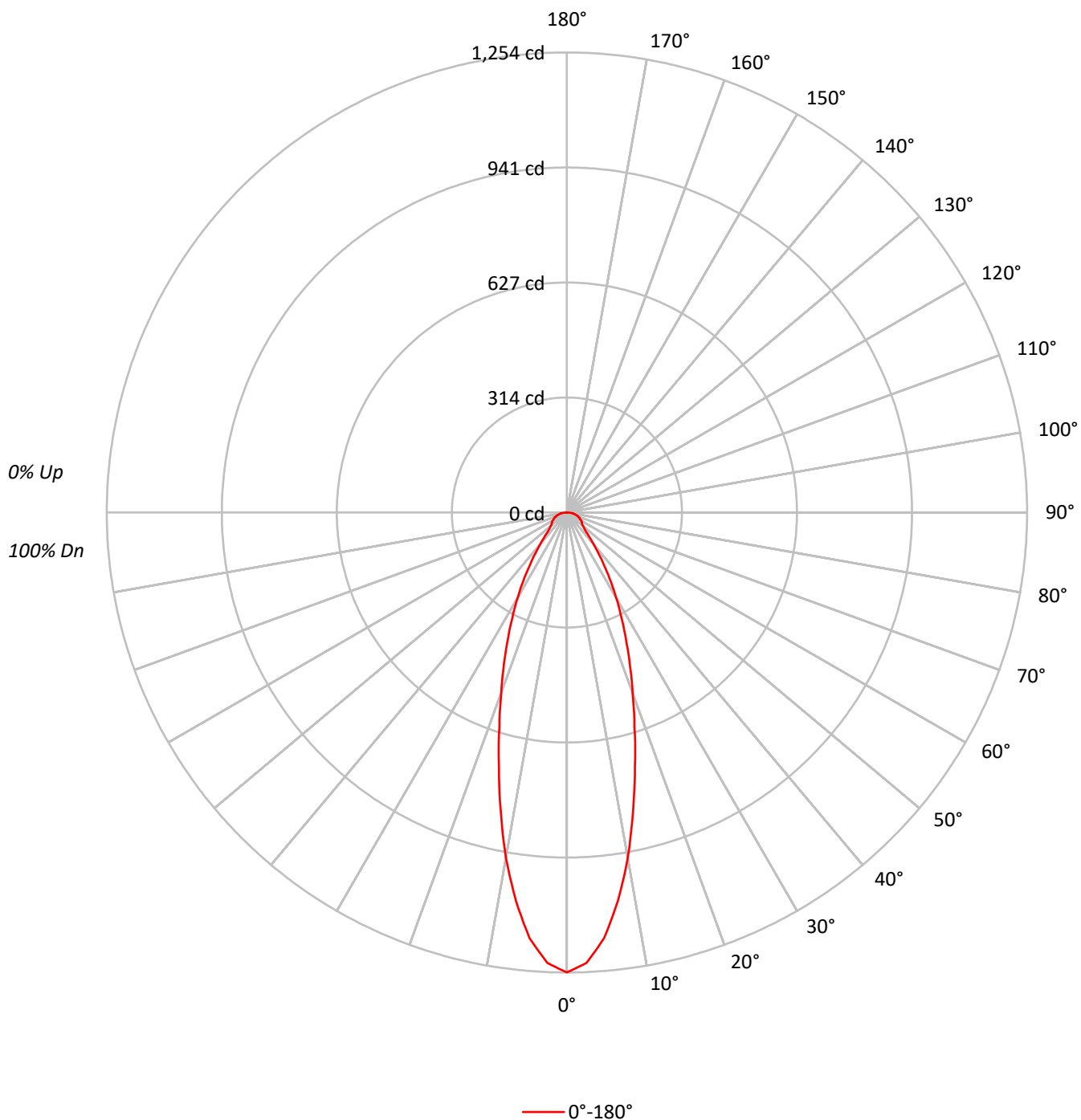
Lumens per Lamp: N/A
Luminaire Lumens: 773.1 lumens
Efficiency: N/A
Efficacy: 26.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	99	91	85	80	97	90	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	66		72
6	84	74	67	62	82	73	66	62	71	66	61		70	65	61		68
7	79	69	63	58	78	68	62	58	67	62	57		66	61	57		65
8	76	65	59	54	74	65	58	54	64	58	54		62	57	54		61
9	72	62	55	51	71	61	55	51	60	55	51		59	54	51		58
10	69	59	52	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	274890
5°	256416
10°	212755
15°	162702
20°	122114
25°	91917
30°	67985
35°	47515
40°	32575
45°	22576
50°	19411
55°	19153
60°	19955
65°	20080
70°	20452
75°	21181
80°	22983
85°	22895

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 26712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.4	13.5
10°-20°	199.3	25.8
20°-30°	175.3	22.7
30°-40°	113.2	14.6
40°-50°	60.0	7.8
50°-60°	45.1	5.8
60°-70°	38.3	5.0
70°-80°	27.0	3.5
80°-90°	10.5	1.4
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°	478.9	62.0
0°-40°	592.1	76.6
0°-60°	697.2	90.2
0°-90°	773.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1254	
5°	1165	104
15°	717	199
25°	380	175
35°	178	113
45°	73	60
55°	50	45
65°	39	38
75°	25	27
85°	9	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1253.6
2.5°	1228.6
5°	1164.9
7.5°	1067.0
10°	955.5
12.5°	832.7
15°	716.7
17.5°	612.0
20°	523.3
22.5°	448.2
25°	379.9
27.5°	320.8
30°	268.5
32.5°	220.7
35°	177.5
37.5°	143.3
40°	113.8
42.5°	91.0
45°	72.8
47.5°	63.7
50°	56.9
52.5°	52.3
55°	50.1
57.5°	47.8
60°	45.5
62.5°	41.0
65°	38.7
67.5°	36.4
70°	31.9
72.5°	29.6
75°	25.0
77.5°	22.8
80°	18.2
82.5°	15.9
85°	9.1
87.5°	4.6
90°	0.0

(END OF REPORT)