

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: P1247568

Luminaire Tested: P3A20R209024D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247568
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: P3A20R209024D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

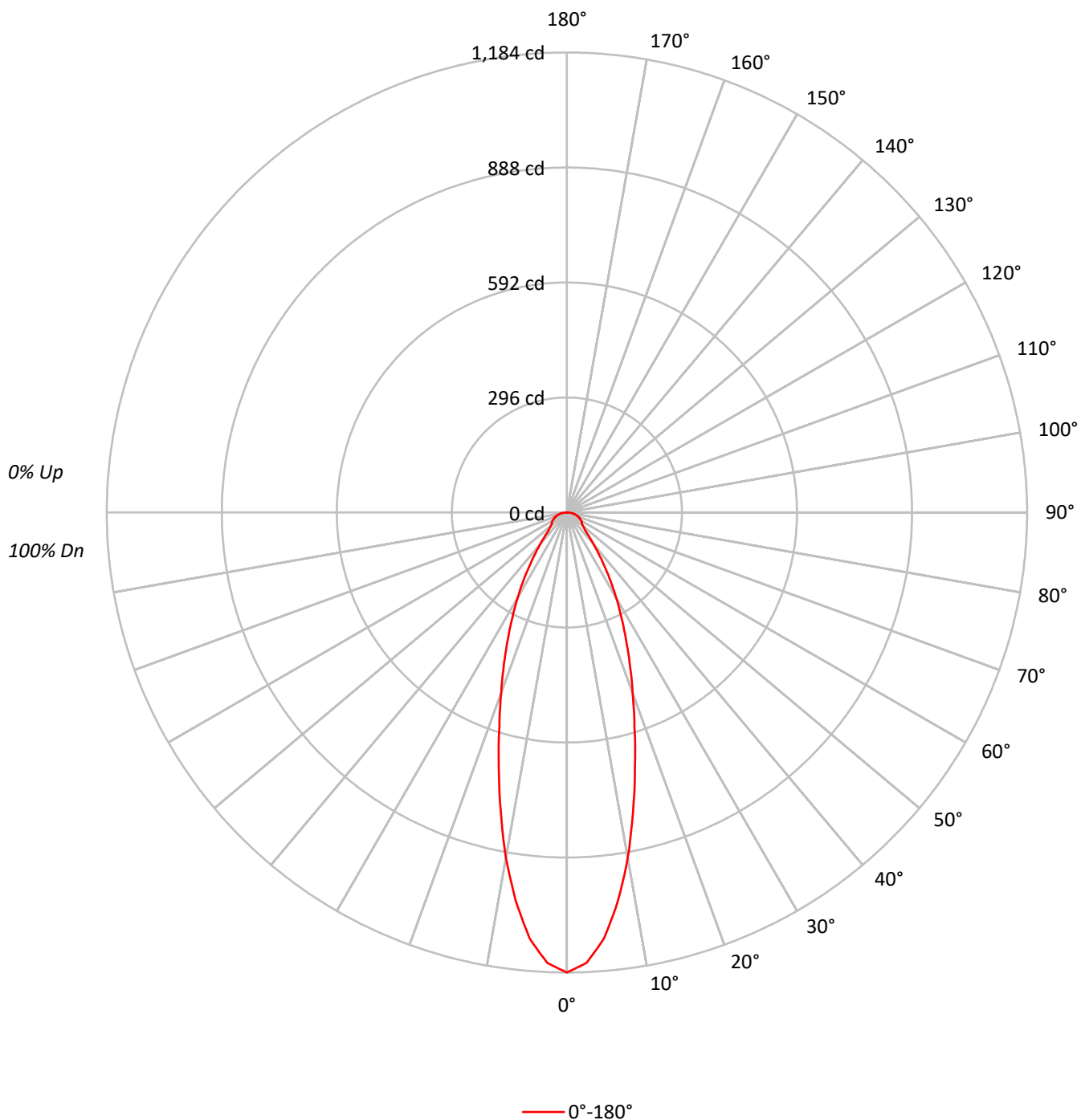
Lumens per Lamp: N/A
Luminaire Lumens: 730.0 lumens
Efficiency: N/A
Efficacy: 25.3 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	259606
5°	242152
10°	200931
15°	153644
20°	115323
25°	86811
30°	64187
35°	44865
40°	30743
45°	21336
50°	18319
55°	18083
60°	18858
65°	18938
70°	19298
75°	19995
80°	21720
85°	21637

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 25200 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	13.5
10°-20°	188.2	25.8
20°-30°	165.6	22.7
30°-40°	106.9	14.6
40°-50°	56.6	7.8
50°-60°	42.6	5.8
60°-70°	36.2	5.0
70°-80°	25.5	3.5
80°-90°	9.9	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°	452.3	62.0
0°-40°	559.2	76.6
0°-60°	658.4	90.2
0°-90°	730.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1184	
5°	1100	99
15°	677	188
25°	359	166
35°	168	107
45°	69	57
55°	47	43
65°	36	36
75°	24	26
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1183.9
2.5°	1160.2
5°	1100.1
7.5°	1007.7
10°	902.4
12.5°	786.4
15°	676.8
17.5°	578.0
20°	494.2
22.5°	423.3
25°	358.8
27.5°	302.9
30°	253.5
32.5°	208.4
35°	167.6
37.5°	135.4
40°	107.4
42.5°	85.9
45°	68.8
47.5°	60.2
50°	53.7
52.5°	49.4
55°	47.3
57.5°	45.1
60°	43.0
62.5°	38.7
65°	36.5
67.5°	34.4
70°	30.1
72.5°	27.9
75°	23.6
77.5°	21.5
80°	17.2
82.5°	15.0
85°	8.6
87.5°	4.3
90°	0.0

(END OF REPORT)