

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: P1270497

Luminaire Tested: P3A20R209740D010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270497
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: P3A20R209740D010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

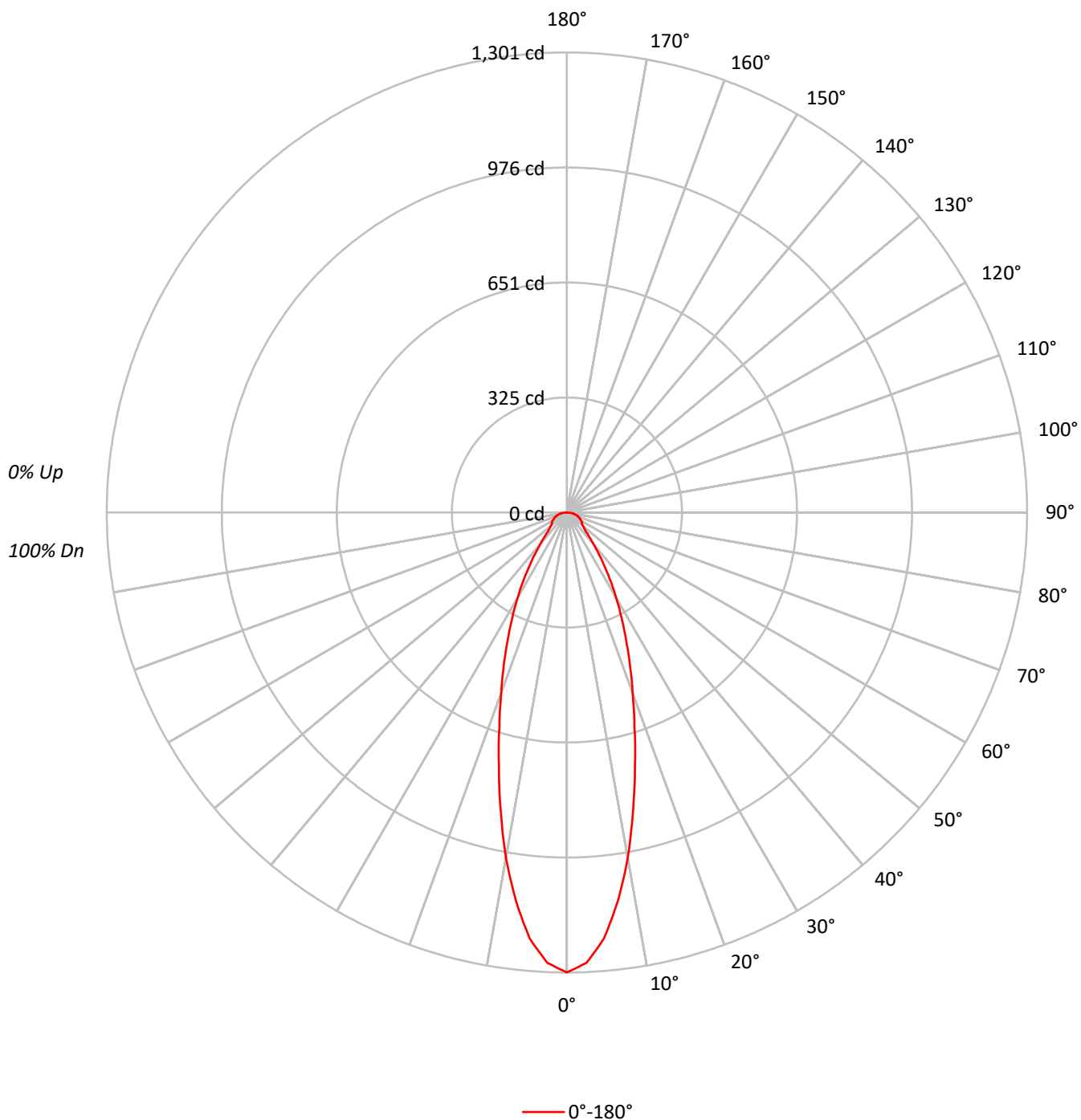
Lumens per Lamp: N/A
Luminaire Lumens: 802.0 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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°	285196
5°	266035
10°	220749
15°	168786
20°	126688
25°	95376
30°	70517
35°	49282
40°	33778
45°	23413
50°	20127
55°	19842
60°	20700
65°	20806
70°	21157
75°	22028
80°	23867
85°	23650

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 27720 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.3	13.5
10°-20°	206.7	25.8
20°-30°	181.9	22.7
30°-40°	117.4	14.6
40°-50°	62.2	7.8
50°-60°	46.8	5.8
60°-70°	39.8	5.0
70°-80°	28.0	3.5
80°-90°	10.9	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°	496.9	62.0
0°-40°	614.3	76.6
0°-60°	723.3	90.2
0°-90°	802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	802.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1301	
5°	1209	108
15°	744	207
25°	394	182
35°	184	117
45°	76	62
55°	52	47
65°	40	40
75°	26	28
85°	9	11
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1300.6
2.5°	1274.6
5°	1208.6
7.5°	1107.1
10°	991.4
12.5°	863.9
15°	743.5
17.5°	635.0
20°	542.9
22.5°	465.0
25°	394.2
27.5°	332.8
30°	278.5
32.5°	229.0
35°	184.1
37.5°	148.7
40°	118.0
42.5°	94.4
45°	75.5
47.5°	66.1
50°	59.0
52.5°	54.3
55°	51.9
57.5°	49.6
60°	47.2
62.5°	42.5
65°	40.1
67.5°	37.8
70°	33.0
72.5°	30.7
75°	26.0
77.5°	23.6
80°	18.9
82.5°	16.5
85°	9.4
87.5°	4.7
90°	0.0

(END OF REPORT)