

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: P1246376

Luminaire Tested: P3A09R109024DE010 E3PHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R109024DE010 E3PHLP1MW
Description: 3in Adjustable LED luminaire with, R10 optic, 2400K CCT AND, 90CRI , E3PHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

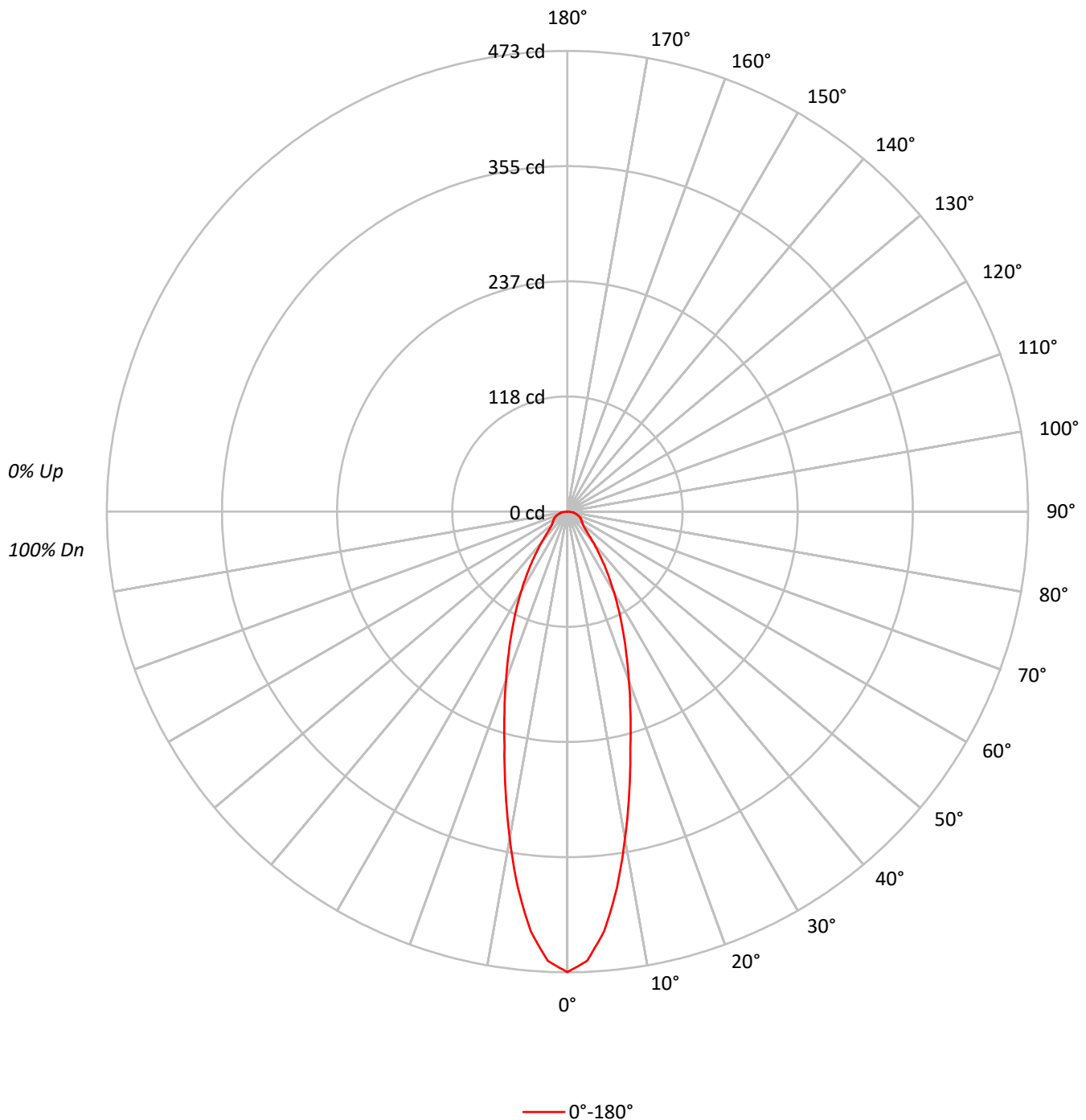
Lumens per Lamp: N/A
Luminaire Lumens: 277.0 lumens
Efficiency: N/A
Efficacy: 22.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.6
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.5
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: P1246376

CATALOG NUMBER: P3A09R109024DE010 E3PHLP1MW

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	100	102	99	97		98	96	94		95
2	105	99	94	90	102	97	92	89	94	90	87		91	87	85		88
3	99	91	85	80	96	89	84	80	87	82	78		84	80	77		82
4	93	84	78	73	91	83	77	72	81	76	71		79	74	71		77
5	88	78	72	67	86	77	71	67	76	70	66		74	69	65		72
6	83	73	67	62	82	73	66	62	71	65	61		70	65	61		68
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	59	54	74	65	58	54	63	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		56	51	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	103676
5°	95201
10°	75861
15°	56686
20°	43054
25°	32591
30°	24105
35°	17239
40°	11794
45°	8249
50°	7027
55°	6881
60°	7149
65°	7575
70°	7694
75°	7964
80°	8713
85°	8554

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 10080 cd/sqm

TEST NUMBER: P1246376

CATALOG NUMBER: P3A09R109024DE010 E3PHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.3	13.8
10°-20°	70.0	25.3
20°-30°	62.0	22.4
30°-40°	40.6	14.7
40°-50°	21.7	7.8
50°-60°	16.4	5.9
60°-70°	14.1	5.1
70°-80°	9.7	3.5
80°-90°	4.0	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°	170.4	61.5
0°-40°	211.0	76.2
0°-60°	249.2	90.0
0°-90°	277.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	473	
5°	432	38
15°	250	70
25°	135	62
35°	64	41
45°	27	22
55°	18	16
65°	15	14
75°	9	10
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	472.8
2.5°	461.6
5°	432.5
7.5°	389.6
10°	340.7
12.5°	293.5
15°	249.7
17.5°	214.5
20°	184.5
22.5°	157.9
25°	134.7
27.5°	114.1
30°	95.2
32.5°	78.9
35°	64.4
37.5°	51.5
40°	41.2
42.5°	32.6
45°	26.6
47.5°	23.2
50°	20.6
52.5°	19.7
55°	18.0
57.5°	17.2
60°	16.3
62.5°	15.4
65°	14.6
67.5°	12.9
70°	12.0
72.5°	10.3
75°	9.4
77.5°	7.7
80°	6.9
82.5°	6.0
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)