

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: P1246029

Luminaire Tested: P3A05R159024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246029
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

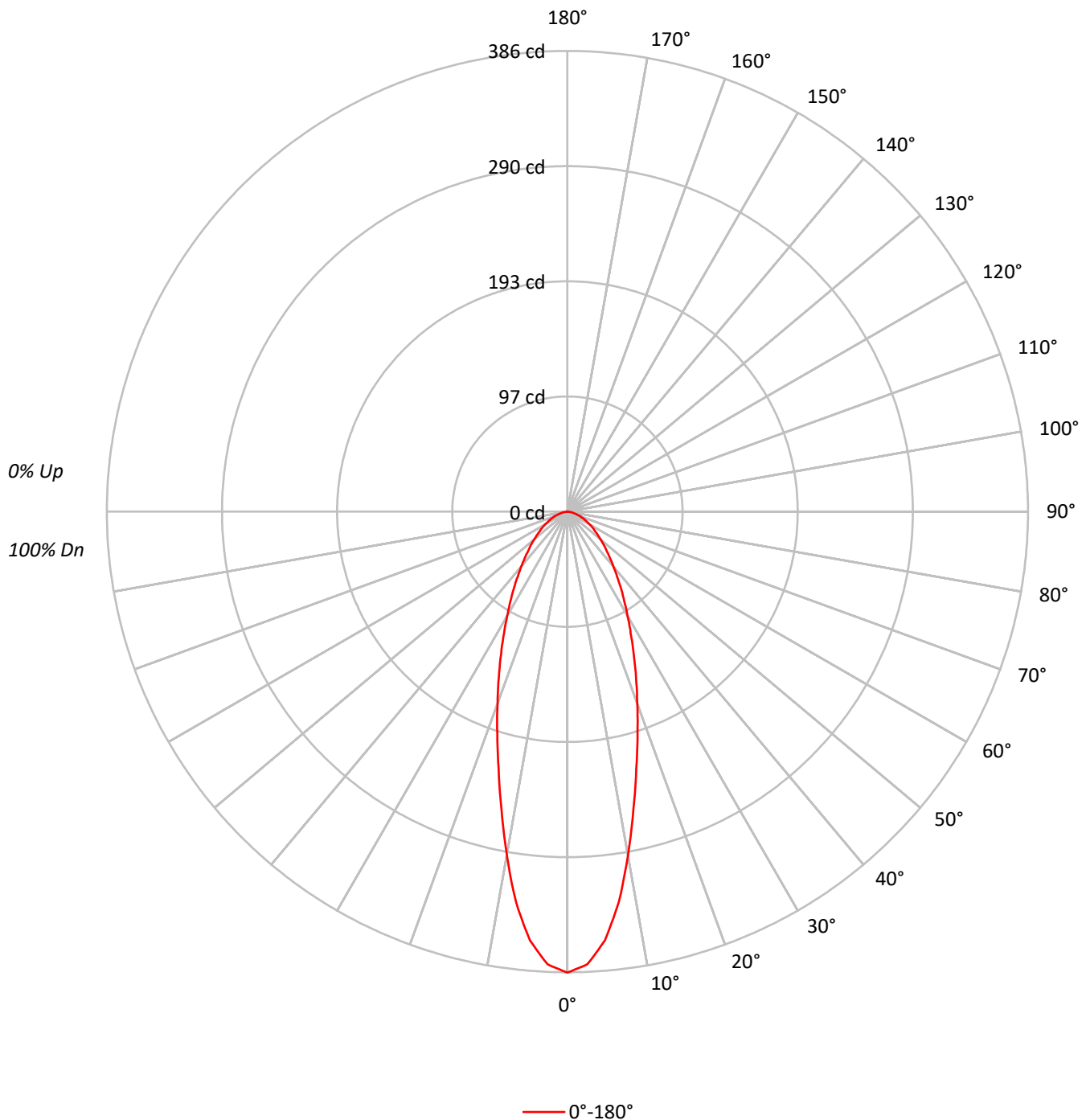
Lumens per Lamp: N/A
Luminaire Lumens: 291.0 lumens
Efficiency: N/A
Efficacy: 40.4 lumens/watt
Spacing Criteria (0/90/45): 0.56 / 0.56 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	104	98	93	89	102	97	92	88	93	89	86		90	87	84		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	71	63	58	79	70	63	58	68	62	58		67	61	57		65
7	77	66	59	54	75	65	58	54	64	58	53		62	57	53		61
8	72	61	55	50	71	61	54	50	60	54	49		59	53	49		58
9	69	58	51	47	68	57	51	46	56	50	46		55	50	46		54
10	65	54	48	44	64	54	48	44	53	47	43		52	47	43		52

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84686
5°	79375
10°	65085
15°	50579
20°	39927
25°	31816
30°	25548
35°	20853
40°	17175
45°	14451
50°	12418
55°	10743
60°	9517
65°	8302
70°	7373
75°	5931
80°	4799
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14451 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.2	11.1
10°-20°	62.4	21.4
20°-30°	60.7	20.8
30°-40°	49.0	16.8
40°-50°	36.4	12.5
50°-60°	25.4	8.7
60°-70°	15.9	5.5
70°-80°	7.5	2.6
80°-90°	1.4	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°	155.3	53.4
0°-40°	204.3	70.2
0°-60°	266.1	91.5
0°-90°	291.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	291.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	386	
5°	361	32
15°	223	62
25°	132	61
35°	78	49
45°	47	36
55°	28	25
65°	16	16
75°	7	8
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	386.2
2.5°	379.8
5°	360.6
7.5°	330.0
10°	292.3
12.5°	255.3
15°	222.8
17.5°	195.3
20°	171.1
22.5°	150.0
25°	131.5
27.5°	114.9
30°	100.9
32.5°	88.7
35°	77.9
37.5°	68.3
40°	60.0
42.5°	53.0
45°	46.6
47.5°	41.5
50°	36.4
52.5°	31.9
55°	28.1
57.5°	24.9
60°	21.7
62.5°	18.5
65°	16.0
67.5°	13.4
70°	11.5
72.5°	8.9
75°	7.0
77.5°	5.1
80°	3.8
82.5°	1.9
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)