

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: P1246055

Luminaire Tested: P3A05R209024DE010 E3PHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1246055
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R209024DE010 E3PHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

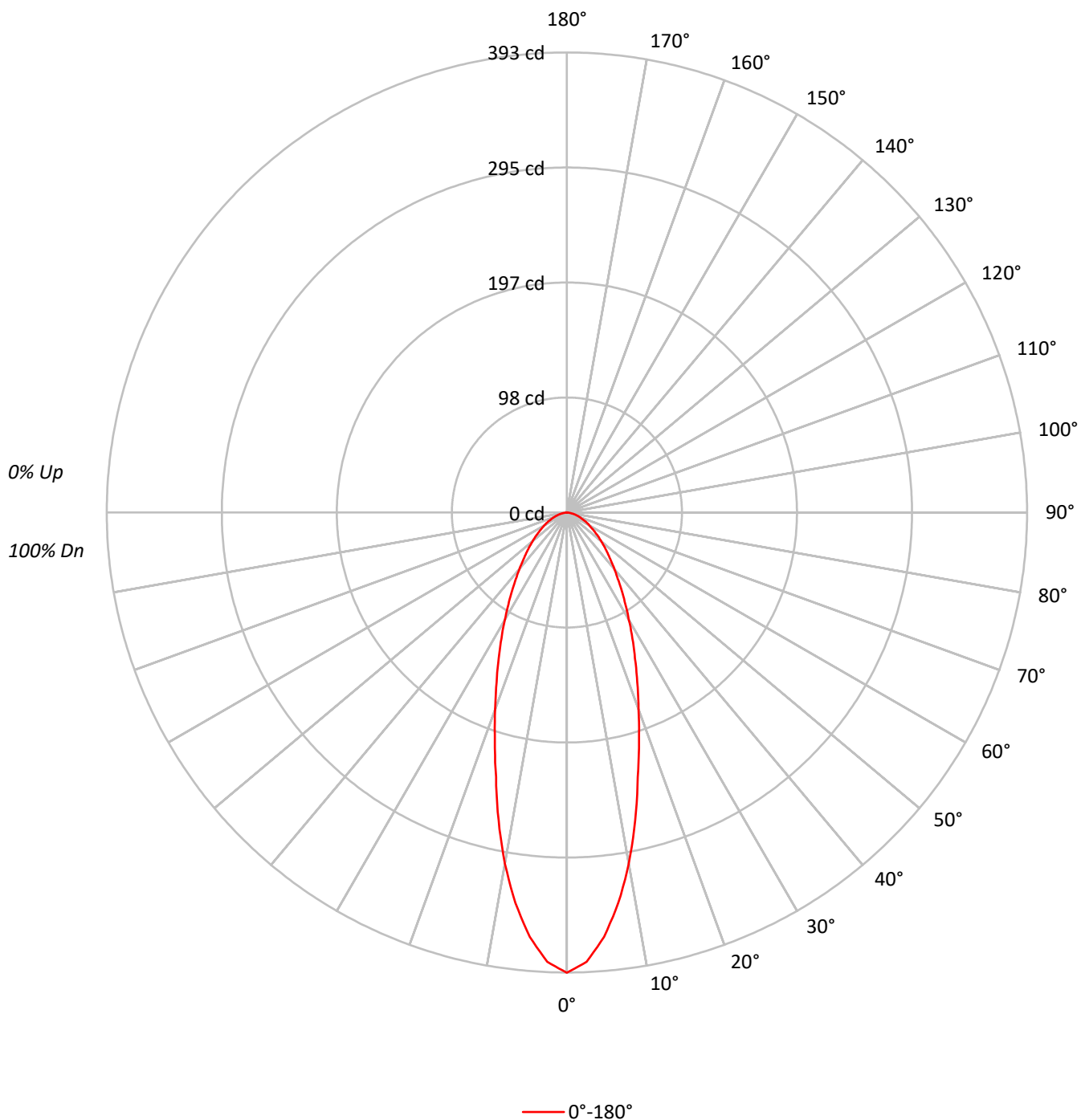
Lumens per Lamp: N/A
Luminaire Lumens: 304.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1246055

CATALOG NUMBER: P3A05R209024DE010 E3PHLD1MW

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	96	92	88	93	89	86		90	87	84		87
3	98	90	83	78	95	88	82	78	85	81	77		83	79	75		80
4	92	82	75	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	70	63	58	79	70	63	58	68	62	58		66	61	57		65
7	76	66	59	54	75	65	58	53	63	58	53		62	57	53		61
8	72	61	54	50	71	61	54	50	60	54	49		58	53	49		57
9	69	58	51	46	67	57	51	46	56	50	46		55	50	46		54
10	65	54	48	43	64	54	48	43	53	47	43		52	47	43		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	86221
5°	80101
10°	67823
15°	53099
20°	41794
25°	33292
30°	26789
35°	21844
40°	18062
45°	15226
50°	13032
55°	11202
60°	9780
65°	8613
70°	7373
75°	6439
80°	4799
85°	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15226 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.8	10.8
10°-20°	65.5	21.5
20°-30°	63.6	20.9
30°-40°	51.4	16.9
40°-50°	38.2	12.6
50°-60°	26.5	8.7
60°-70°	16.6	5.5
70°-80°	8.0	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°	161.9	53.3
0°-40°	213.3	70.2
0°-60°	278.0	91.4
0°-90°	304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	304.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	393	
5°	364	33
15°	234	65
25°	138	64
35°	82	51
45°	49	38
55°	29	27
65°	17	17
75°	8	8
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	393.2
2.5°	384.2
5°	363.9
7.5°	336.5
10°	304.6
12.5°	269.5
15°	233.9
17.5°	204.5
20°	179.1
22.5°	156.8
25°	137.6
27.5°	121.1
30°	105.8
32.5°	93.0
35°	81.6
37.5°	71.4
40°	63.1
42.5°	55.4
45°	49.1
47.5°	43.3
50°	38.2
52.5°	33.8
55°	29.3
57.5°	25.5
60°	22.3
62.5°	19.8
65°	16.6
67.5°	14.0
70°	11.5
72.5°	9.6
75°	7.6
77.5°	5.7
80°	3.8
82.5°	1.9
85°	1.3
87.5°	0.0
90°	0.0

(END OF REPORT)