

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: P1426197

Luminaire Tested: P3A05RH9740DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05RH9740DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 97CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

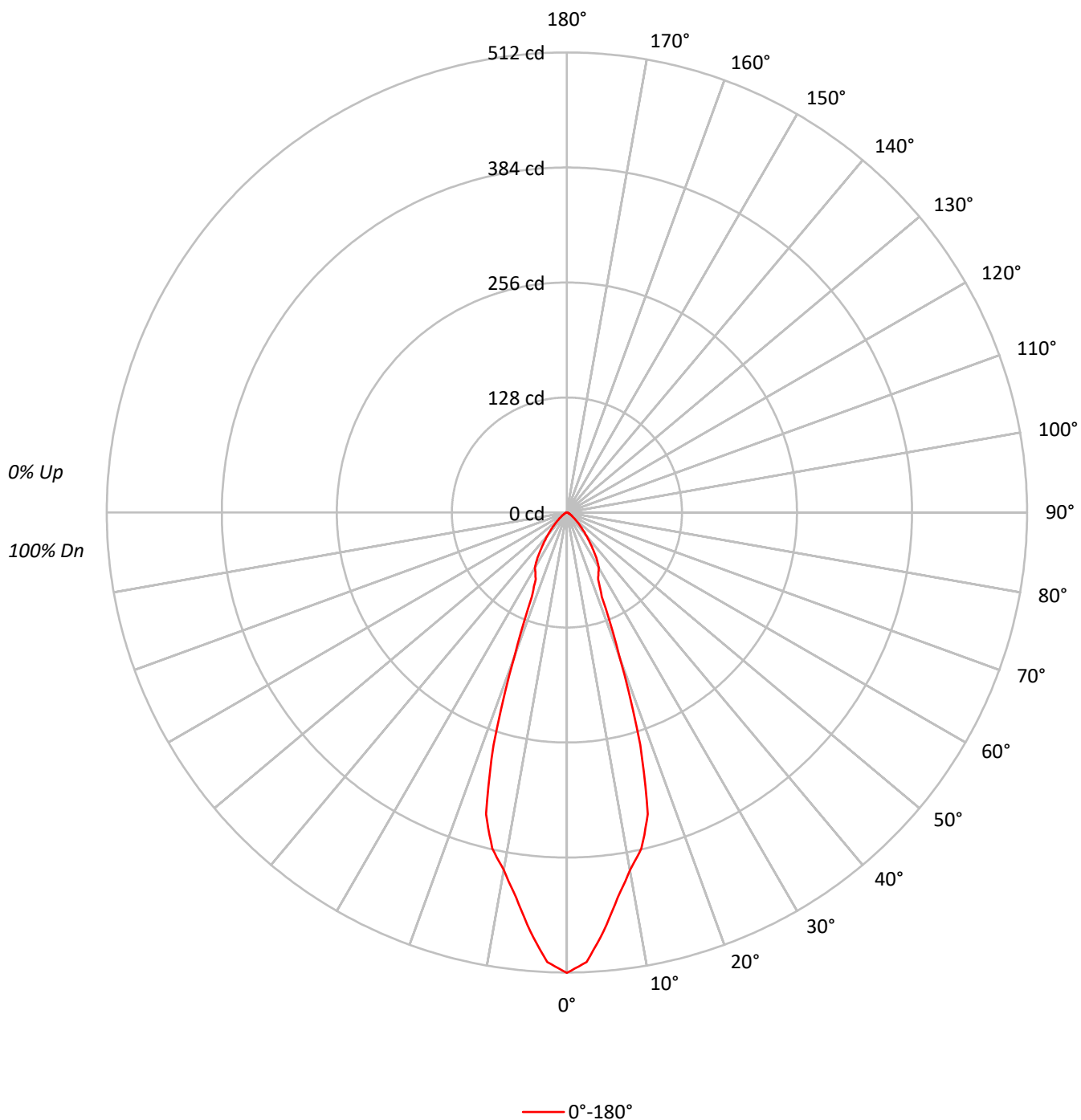
Lumens per Lamp: N/A
Luminaire Lumens: 233.0 lumens
Efficiency: N/A
Efficacy: 32.4 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10		0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100
1	114	111	109	106	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90		88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84		82
4	99	91	86	82	97	90	86	82	88	84	81		86	83	80		84	81	79		78
5	94	86	81	77	93	85	80	77	84	79	76		82	78	75		81	77	75		73
6	90	82	76	72	89	81	76	72	80	75	72		78	74	71		77	73	71		69
7	86	78	72	68	85	77	72	68	76	71	68		75	70	67		74	70	67		66
8	83	74	68	65	82	73	68	65	72	68	64		71	67	64		70	67	64		63
9	79	71	65	62	78	70	65	61	69	65	61		68	64	61		68	64	61		60
10	76	68	62	59	75	67	62	59	66	62	59		66	61	58		65	61	58		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112359
5°	102949
10°	89956
15°	78911
20°	39927
25°	19888
30°	17977
35°	13652
40°	9589
45°	6481
50°	4162
55°	2791
60°	1930
65°	1505
70°	962
75°	847
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.6	18.3
10°-20°	88.1	37.8
20°-30°	43.0	18.4
30°-40°	32.1	13.8
40°-50°	16.5	7.1
50°-60°	6.8	2.9
60°-70°	2.7	1.2
70°-80°	1.1	0.5
80°-90°	0.2	0.1
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°	173.6	74.5
0°-40°	205.7	88.3
0°-60°	229.0	98.3
0°-90°	233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	233.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	512	
5°	468	43
15°	348	88
25°	82	43
35°	51	32
45°	21	17
55°	7	7
65°	3	3
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	512.4
2.5°	500.7
5°	467.7
7.5°	432.2
10°	404.0
12.5°	383.1
15°	347.6
17.5°	271.3
20°	171.1
22.5°	101.6
25°	82.2
27.5°	75.8
30°	71.0
32.5°	62.2
35°	51.0
37.5°	41.8
40°	33.5
42.5°	26.7
45°	20.9
47.5°	16.0
50°	12.2
52.5°	9.2
55°	7.3
57.5°	5.8
60°	4.4
62.5°	3.4
65°	2.9
67.5°	1.9
70°	1.5
72.5°	1.5
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)