

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: P1426209

Luminaire Tested: P3A05RH9830DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426209
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: P3A05RH9830DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 3000K CCT AND, 98CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

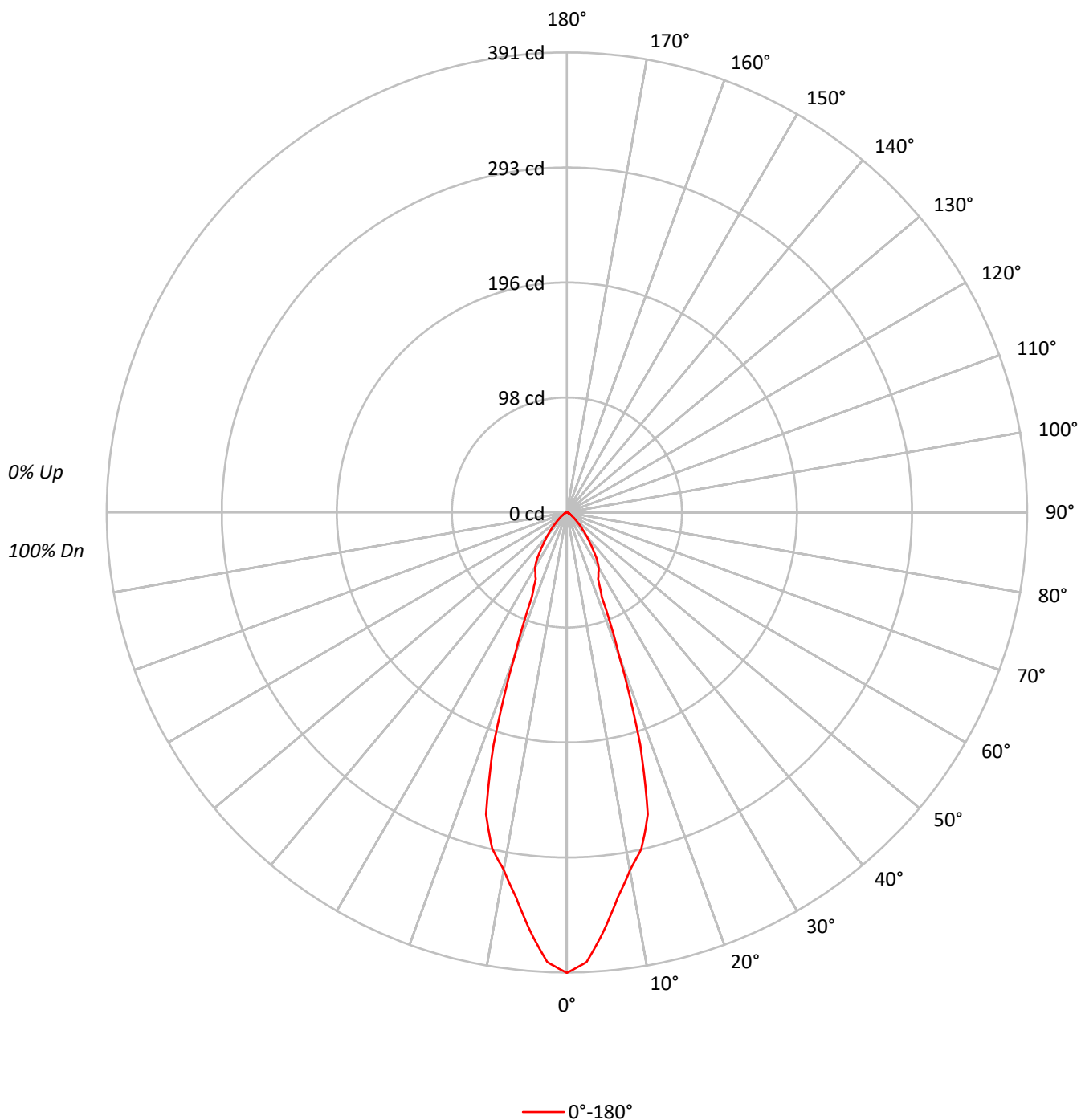
Lumens per Lamp: N/A
Luminaire Lumens: 178.0 lumens
Efficiency: N/A
Efficacy: 24.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	85826
5°	78648
10°	68714
15°	60273
20°	30499
25°	15194
30°	13724
35°	10440
40°	7328
45°	4962
50°	3173
55°	2141
60°	1447
65°	1141
70°	705
75°	593
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4962 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.5	18.3
10°-20°	67.3	37.8
20°-30°	32.8	18.4
30°-40°	24.5	13.8
40°-50°	12.6	7.1
50°-60°	5.2	2.9
60°-70°	2.1	1.2
70°-80°	0.8	0.4
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°	132.6	74.5
0°-40°	157.1	88.3
0°-60°	175.0	98.3
0°-90°	178.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	178.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	391	
5°	357	33
15°	266	67
25°	63	33
35°	39	24
45°	16	13
55°	6	5
65°	2	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	391.4
2.5°	382.5
5°	357.3
7.5°	330.2
10°	308.6
12.5°	292.7
15°	265.5
17.5°	207.2
20°	130.7
22.5°	77.6
25°	62.8
27.5°	57.9
30°	54.2
32.5°	47.5
35°	39.0
37.5°	31.9
40°	25.6
42.5°	20.4
45°	16.0
47.5°	12.3
50°	9.3
52.5°	7.1
55°	5.6
57.5°	4.5
60°	3.3
62.5°	2.6
65°	2.2
67.5°	1.5
70°	1.1
72.5°	1.1
75°	0.7
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)