

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: P1426218

Luminaire Tested: P3A05RH9840DE010 E3HY1GPH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05RH9840DE010 E3HY1GPH
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 98CRI , E3HY1GPH TRIM
Light Source: -
Ballast/Driver: -

Summary

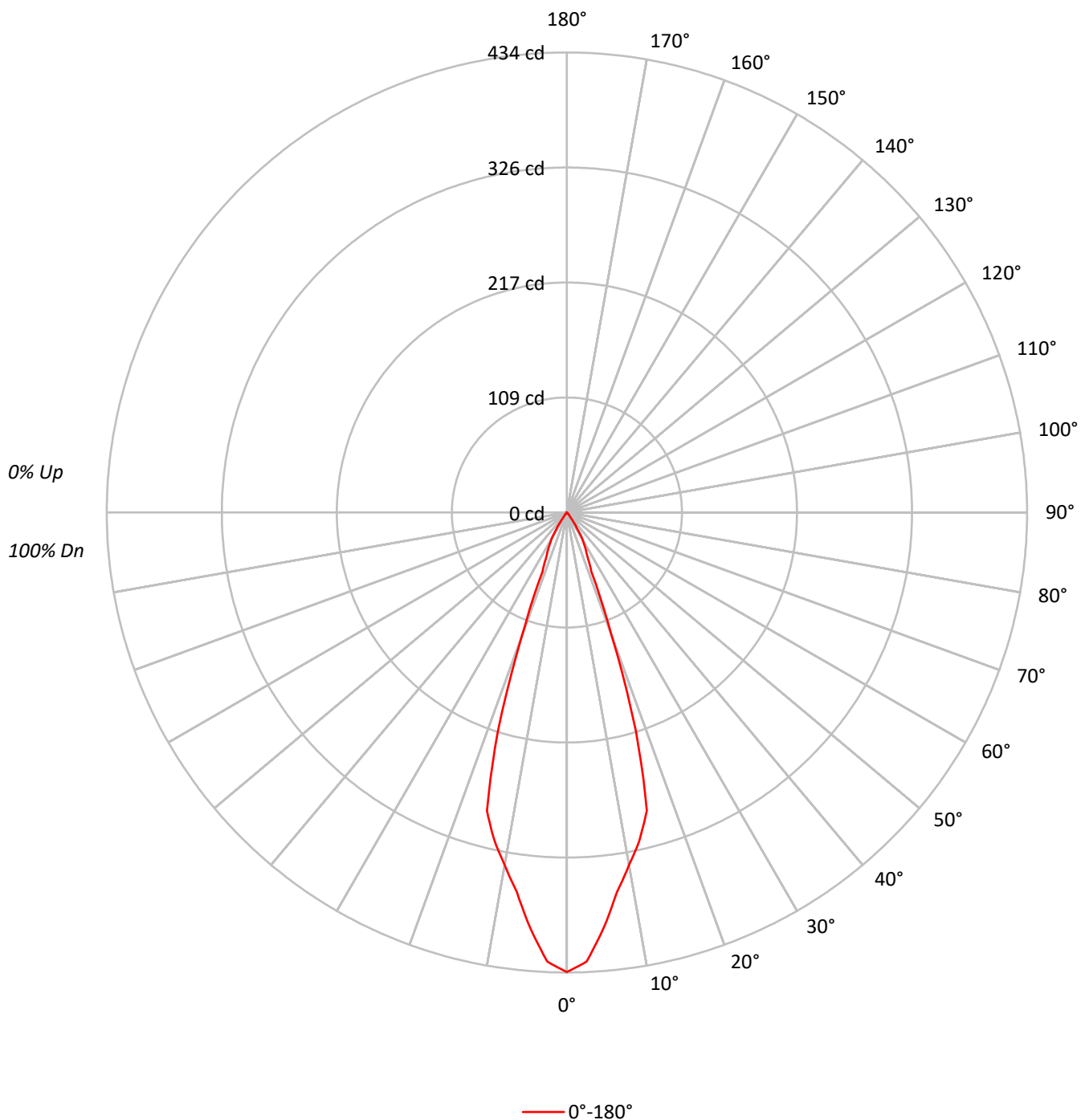
Lumens per Lamp: N/A
Luminaire Lumens: 140.0 lumens
Efficiency: N/A
Efficacy: 19.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.51
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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			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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	92
3	107	102	98	95	105	101	97	95	98	95	93		96	94	92		94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89		93	90	88		91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85		90	87	84		88	86	84	83
6	97	90	86	83	96	89	85	82	88	84	82		87	84	81		86	83	81	80
7	94	87	82	79	93	86	82	79	85	81	79		84	81	78		83	80	78	77
8	91	84	79	76	90	83	79	76	82	79	76		81	78	76		81	78	75	74
9	88	81	77	74	87	81	76	74	80	76	73		79	76	73		78	75	73	72
10	85	78	74	71	85	78	74	71	77	73	71		77	73	71		76	73	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	95058
5°	86771
10°	75193
15°	66130
20°	28773
25°	11009
30°	7444
35°	2516
40°	773
45°	248
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	25.5
10°-20°	71.7	51.2
20°-30°	24.3	17.4
30°-40°	7.4	5.3
40°-50°	0.8	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	131.8	94.1
0°-40°	139.2	99.4
0°-60°	140.0	100.0
0°-90°	140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	140.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	434	
5°	394	36
15°	291	72
25°	46	24
35°	9	7
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	433.5
2.5°	424.1
5°	394.2
7.5°	361.2
10°	337.7
12.5°	316.5
15°	291.3
17.5°	216.3
20°	123.3
22.5°	60.1
25°	45.5
27.5°	36.9
30°	29.4
32.5°	18.8
35°	9.4
37.5°	5.1
40°	2.7
42.5°	1.6
45°	0.8
47.5°	0.4
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)