

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: P1426552

Luminaire Tested: P3A13RH9040DE010 E3HY1WMH

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-658-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/9/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13RH9040DE010 E3HY1WMH
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 90CRI , E3HY1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

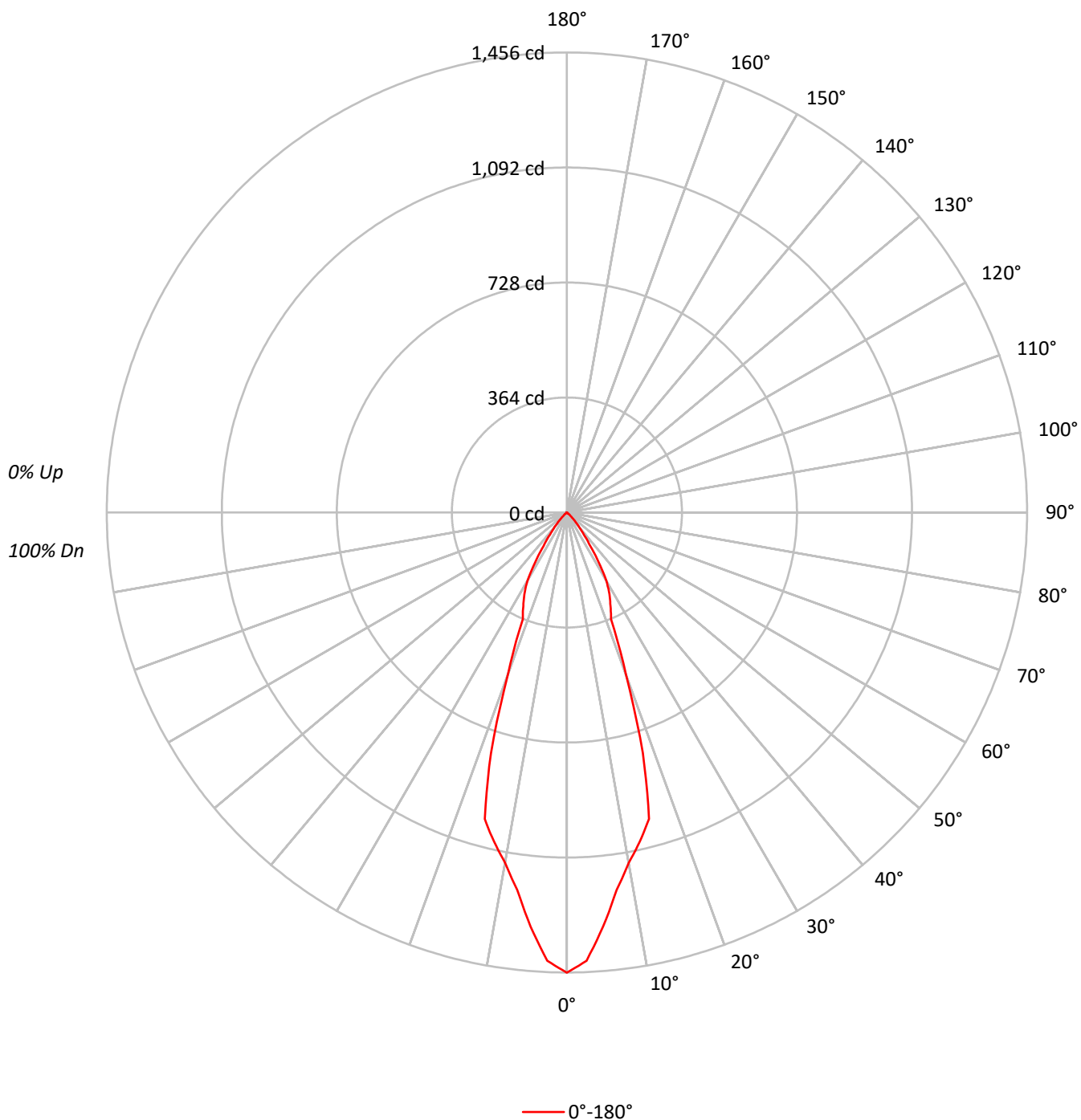
Lumens per Lamp: N/A
Luminaire Lumens: 638.9 lumens
Efficiency: N/A
Efficacy: 43.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.55
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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					30					10					0
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	109	105	102	99		107	104	100	98		100	98	96		97	95	93		95	93	92
3	105	99	95	92		103	98	94	91		95	92	89		93	90	88		91	89	87
4	101	94	89	86		99	93	89	85		91	87	84		89	86	83		87	84	82
5	96	89	84	81		95	88	84	80		87	83	79		85	82	79		84	81	78
6	93	85	80	76		91	84	79	76		83	78	75		81	78	75		80	77	74
7	89	81	76	72		88	80	75	72		79	75	72		78	74	71		77	73	71
8	85	77	72	69		84	77	72	68		76	71	68		75	71	68		74	70	68
9	82	74	69	65		81	73	69	65		73	68	65		72	68	65		71	67	65
10	79	71	66	62		78	70	66	62		70	65	62		69	65	62		68	65	62

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	319382
5°	289544
10°	250741
15°	227879
20°	127131
25°	78924
30°	63276
35°	34425
40°	17347
45°	7784
50°	2490
55°	382
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7784 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	18.7
10°-20°	254.4	39.8
20°-30°	156.5	24.5
30°-40°	85.4	13.4
40°-50°	21.4	3.3
50°-60°	1.9	0.3
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°	530.2	83.0
0°-40°	615.6	96.4
0°-60°	638.9	100.0
0°-90°	638.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	638.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1456	
5°	1315	119
15°	1004	254
25°	326	157
35°	129	85
45°	25	21
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1456.5
2.5°	1419.9
5°	1315.4
7.5°	1204.5
10°	1126.1
12.5°	1066.5
15°	1003.8
17.5°	798.8
20°	544.8
22.5°	364.9
25°	326.2
27.5°	291.7
30°	249.9
32.5°	187.2
35°	128.6
37.5°	87.8
40°	60.6
42.5°	40.8
45°	25.1
47.5°	13.6
50°	7.3
52.5°	3.1
55°	1.0
57.5°	1.0
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)