

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: P1426797

Luminaire Tested: P3A17RH9840DE010 E3HY1MW

Issue Date: 3/9/2026

Test Information

Test Method: LM-79-2019
Report Number: P1426797
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: P3A17RH9840DE010 E3HY1MW
Description: 3in Adjustable LED luminaire with, RH optic, 4000K CCT AND, 98CRI , E3HY1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

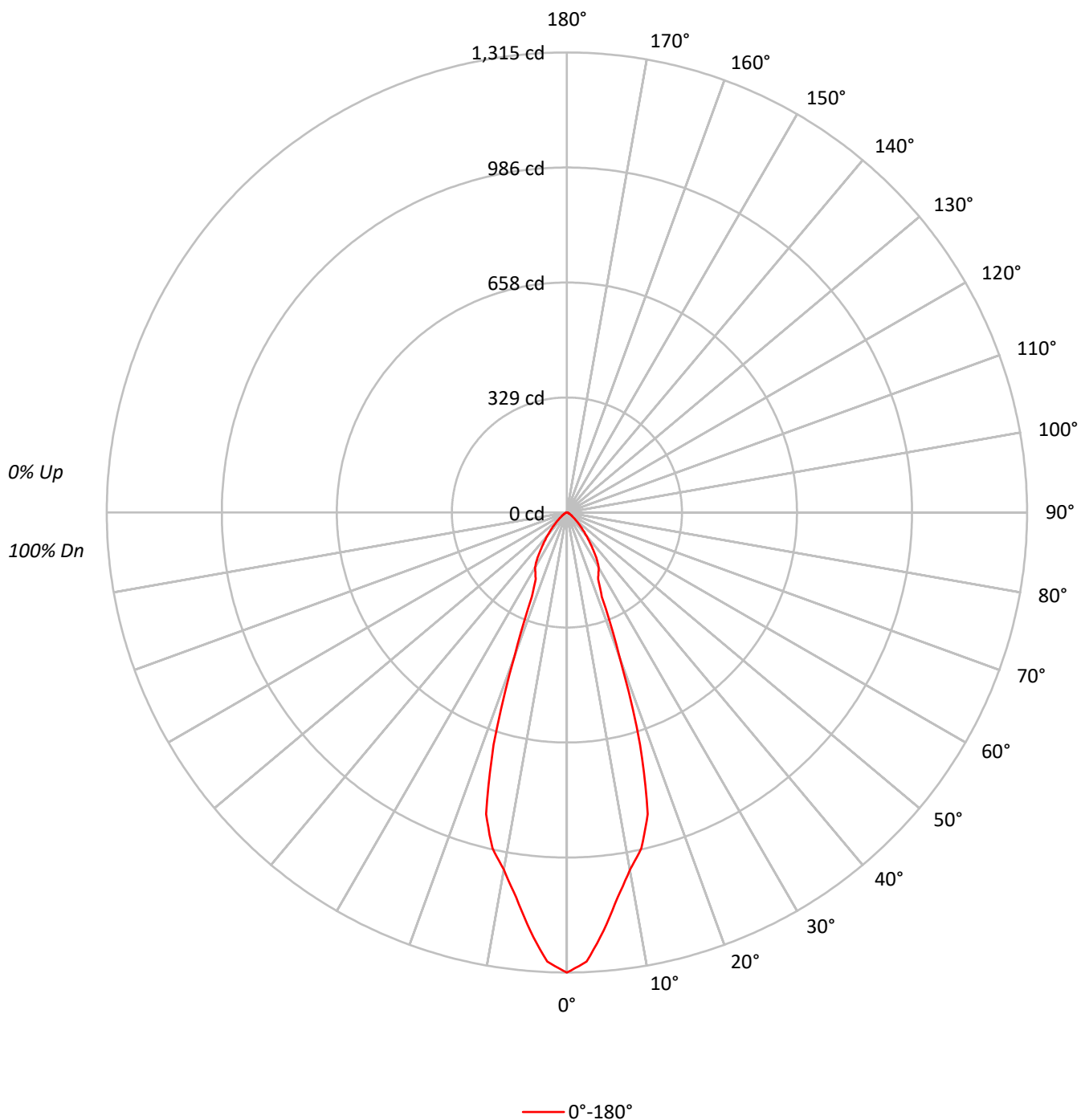
Lumens per Lamp: N/A
Luminaire Lumens: 598.0 lumens
Efficiency: N/A
Efficacy: 29.3 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.53
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	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	96	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°	288376
5°	264208
10°	230857
15°	202521
20°	102489
25°	51027
30°	46134
35°	35068
40°	24646
45°	16653
50°	10644
55°	7149
60°	4912
65°	3891
70°	2372
75°	2118
80°	1515
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16653 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	18.3
10°-20°	226.1	37.8
20°-30°	110.2	18.4
30°-40°	82.4	13.8
40°-50°	42.4	7.1
50°-60°	17.5	2.9
60°-70°	7.1	1.2
70°-80°	2.6	0.4
80°-90°	0.5	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°	445.6	74.5
0°-40°	527.9	88.3
0°-60°	587.8	98.3
0°-90°	598.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1315	
5°	1200	109
15°	892	226
25°	211	110
35°	131	82
45°	54	42
55°	19	17
65°	8	7
75°	2	3
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1315.1
2.5°	1285.1
5°	1200.3
7.5°	1109.2
10°	1036.8
12.5°	983.2
15°	892.1
17.5°	696.2
20°	439.2
22.5°	260.8
25°	210.9
27.5°	194.6
30°	182.2
32.5°	159.7
35°	131.0
37.5°	107.3
40°	86.1
42.5°	68.6
45°	53.7
47.5°	41.2
50°	31.2
52.5°	23.7
55°	18.7
57.5°	15.0
60°	11.2
62.5°	8.7
65°	7.5
67.5°	5.0
70°	3.7
72.5°	3.7
75°	2.5
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)