

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: P1270214

Luminaire Tested: P3A17R409740DE010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R409740DE010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

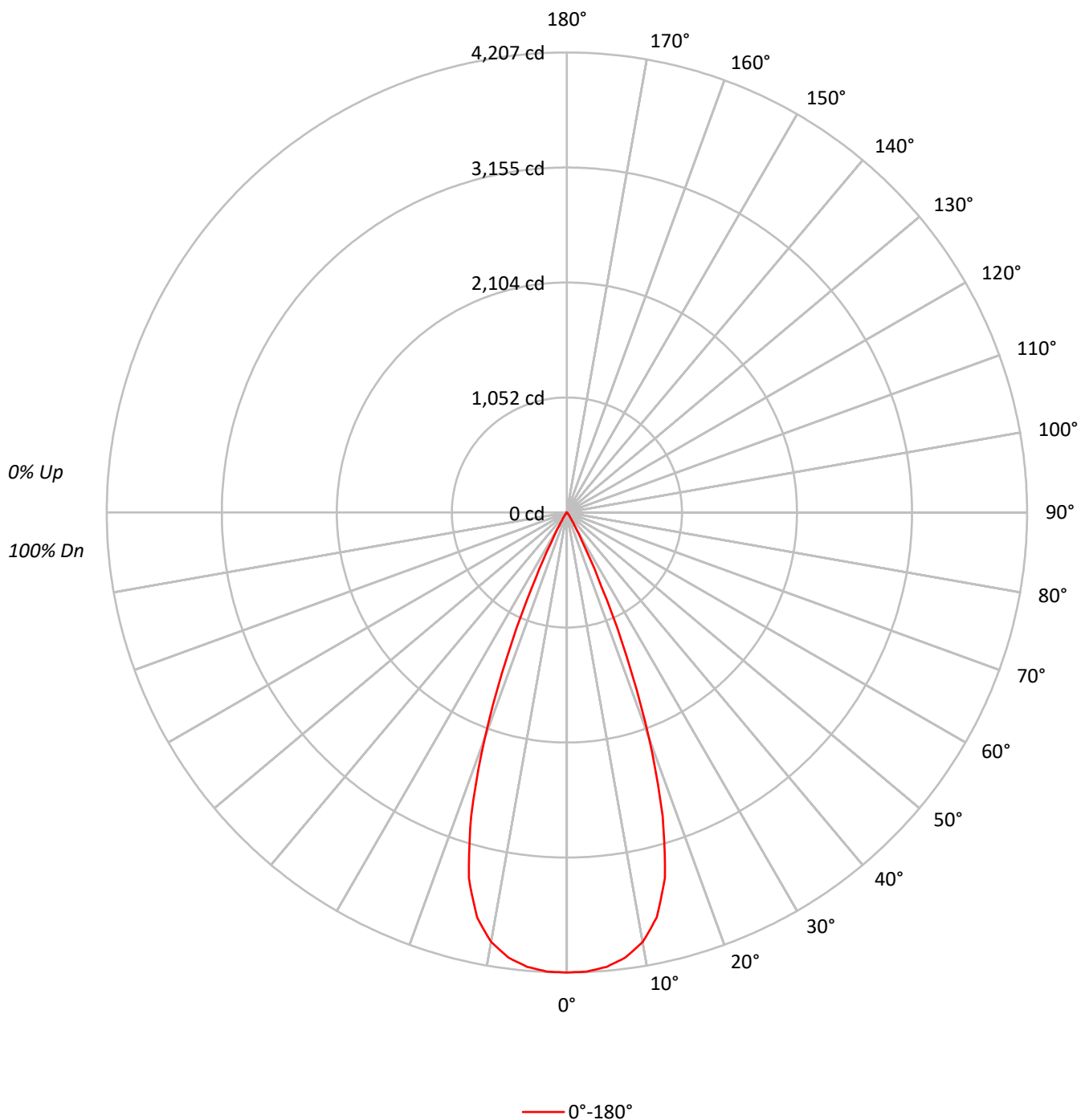
Lumens per Lamp: N/A
Luminaire Lumens: 1751.9 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1270214

CATALOG NUMBER: P3A17R409740DE010 E3CB1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1270214

CATALOG NUMBER: P3A17R409740DE010 E3CB1MW

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	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	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	92			
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	94	92	90	89			
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	86	85			
5	100	93	89	86	98	92	88	85	91	87	85	89	86	84	88	85	83	82			
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	79			
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	79	77	76			
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	73			
9	87	80	76	73	87	80	76	73	79	75	72	78	75	72	77	74	72	71			
10	85	77	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	922470
5°	918047
10°	888115
15°	785748
20°	512655
25°	181607
30°	38512
35°	12689
40°	4637
45°	1551
50°	1262
55°	1415
60°	1096
65°	1297
70°	769
75°	1017
80°	1515
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 2016 cd/sqm

TEST NUMBER: P1270214

CATALOG NUMBER: P3A17R409740DE010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	22.4
10°-20°	913.9	52.2
20°-30°	396.6	22.6
30°-40°	36.6	2.1
40°-50°	5.2	0.3
50°-60°	3.2	0.2
60°-70°	2.3	0.1
70°-80°	1.3	0.1
80°-90°	0.5	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°	1702.9	97.2
0°-40°	1739.5	99.3
0°-60°	1747.8	99.8
0°-90°	1751.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1751.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4207	
5°	4171	392
15°	3461	914
25°	751	397
35°	47	37
45°	5	5
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1270214

CATALOG NUMBER: P3A17R409740DE010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	4206.8
2.5°	4201.8
5°	4170.7
7.5°	4104.6
10°	3988.6
12.5°	3792.9
15°	3461.2
17.5°	2911.4
20°	2196.9
22.5°	1426.4
25°	750.6
27.5°	322.9
30°	152.1
32.5°	82.3
35°	47.4
37.5°	28.7
40°	16.2
42.5°	8.7
45°	5.0
47.5°	3.7
50°	3.7
52.5°	3.7
55°	3.7
57.5°	3.7
60°	2.5
62.5°	2.5
65°	2.5
67.5°	2.5
70°	1.2
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	1.2
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)