

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: P1300781

Luminaire Tested: P3A17R40W2N902750DE010 E3CD1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300781
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: P3A17R40W2N902750DE010 E3CD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 5000K CCT AND, 90CRI ,
E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

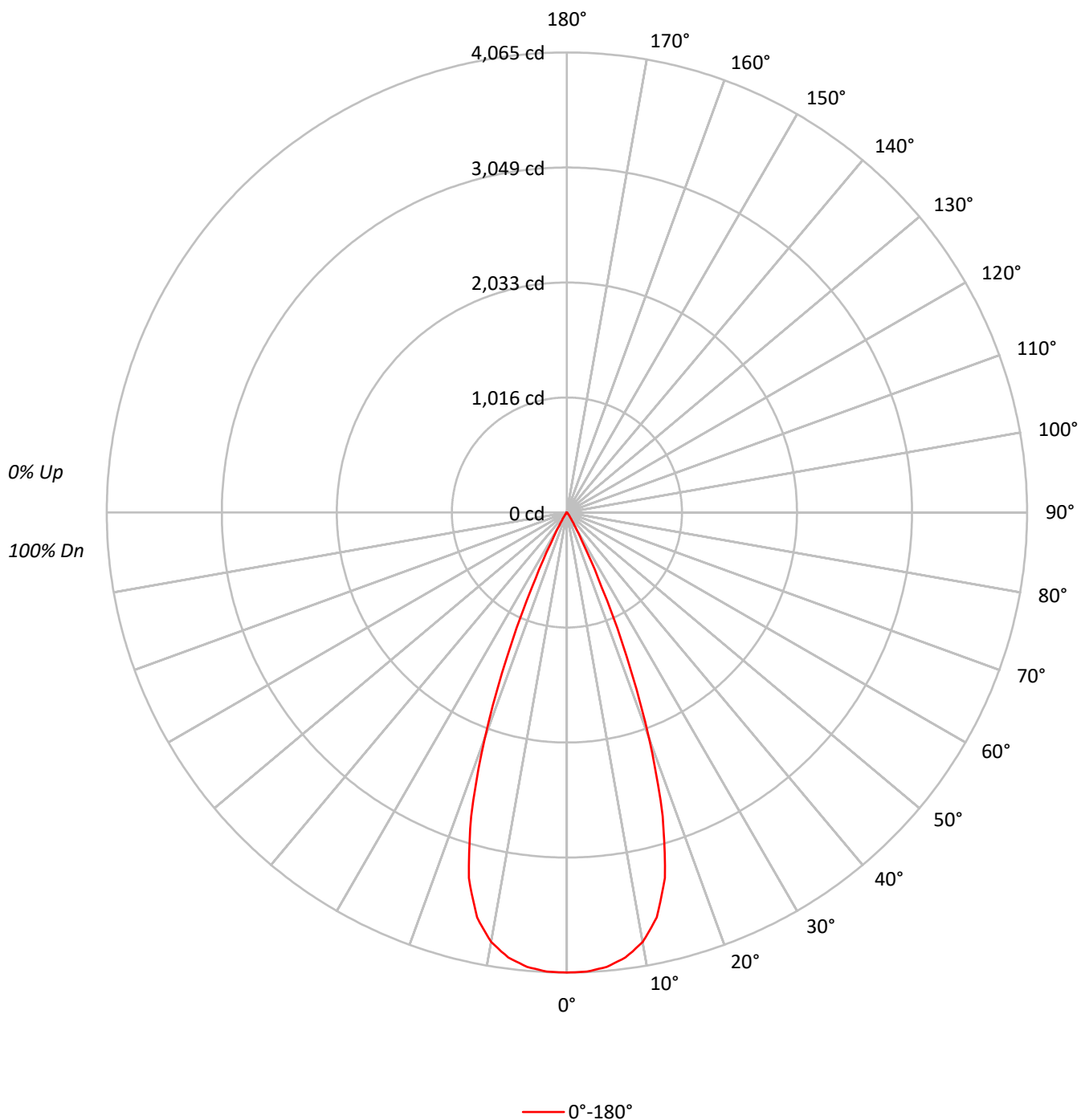
Lumens per Lamp: N/A
Luminaire Lumens: 1693.0 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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

TEST NUMBER: P1300781

CATALOG NUMBER: P3A17R40W2N902750DE010 E3CD1MW_5000K

Luminous Intensity Polar Plot





TEST NUMBER: P1300781

CATALOG NUMBER: P3A17R40W2N902750DE010 E3CD1MW_5000K

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	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°	891398
5°	887121
10°	858212
15°	759278
20°	495386
25°	175486
30°	37221
35°	12260
40°	4494
45°	1489
50°	1228
55°	1376
60°	1053
65°	1245
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: P1300781

CATALOG NUMBER: P3A17R40W2N902750DE010 E3CD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.2	22.4
10°-20°	883.1	52.2
20°-30°	383.2	22.6
30°-40°	35.3	2.1
40°-50°	5.0	0.3
50°-60°	3.1	0.2
60°-70°	2.2	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°	1645.5	97.2
0°-40°	1680.9	99.3
0°-60°	1689.0	99.8
0°-90°	1693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1693.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4065	
5°	4030	379
15°	3345	883
25°	725	383
35°	46	35
45°	5	5
55°	4	3
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1300781

CATALOG NUMBER: P3A17R40W2N902750DE010 E3CD1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	4065.1
2.5°	4060.3
5°	4030.2
7.5°	3966.3
10°	3854.3
12.5°	3665.1
15°	3344.6
17.5°	2813.3
20°	2122.9
22.5°	1378.3
25°	725.3
27.5°	312.1
30°	147.0
32.5°	79.5
35°	45.8
37.5°	27.7
40°	15.7
42.5°	8.4
45°	4.8
47.5°	3.6
50°	3.6
52.5°	3.6
55°	3.6
57.5°	3.6
60°	2.4
62.5°	2.4
65°	2.4
67.5°	2.4
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)