

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: P1257684

Luminaire Tested: P3AS17R209040DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R209040DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

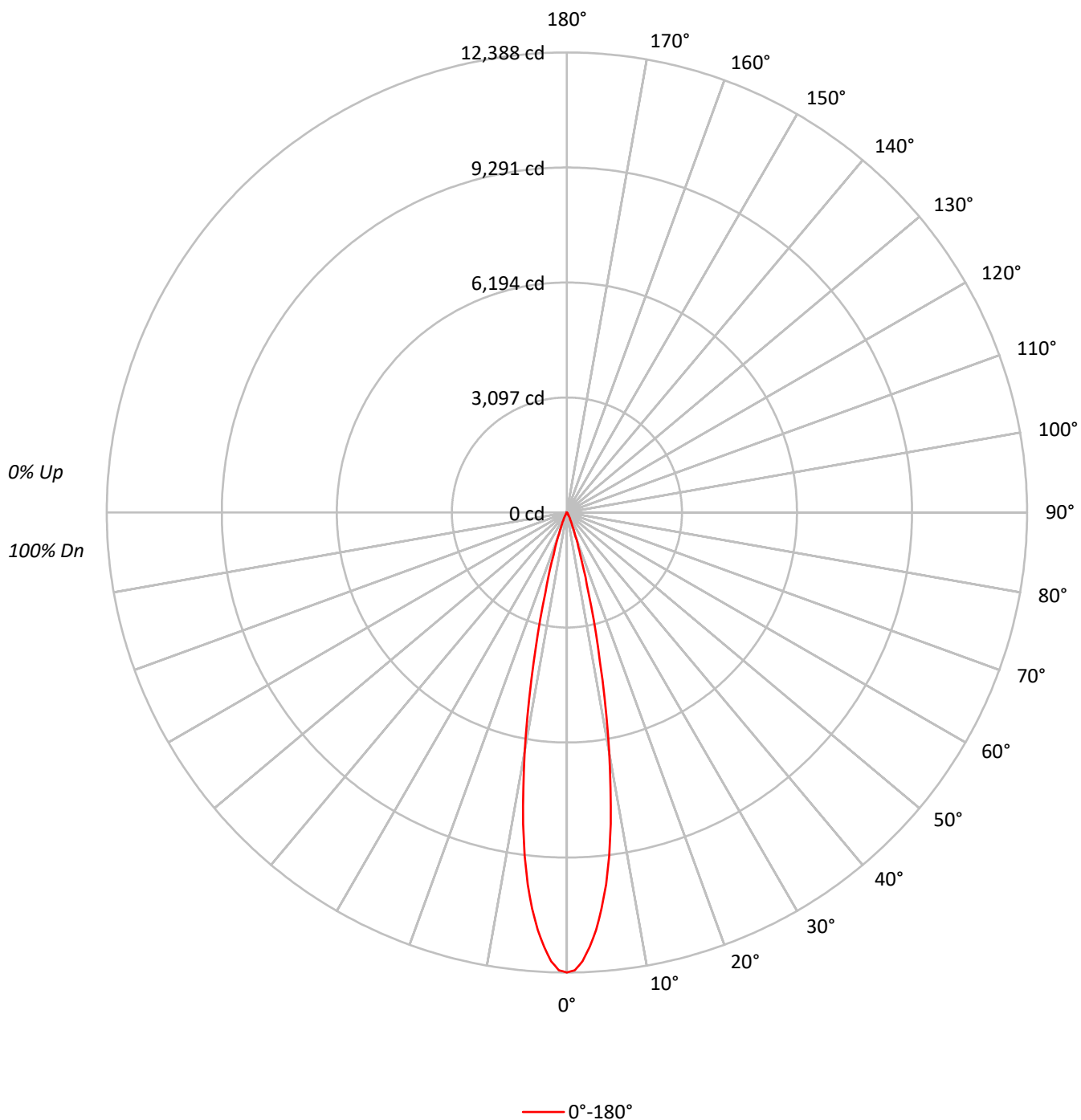
Lumens per Lamp: N/A
Luminaire Lumens: 1749.1 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1257684

CATALOG NUMBER: P3AS17R209040DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1257684

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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	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101	100	99	98
2	112	109	107	104	110	108	105	103	104	103	101		102	100	99		99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97	96	95	93
4	107	102	99	96	105	101	98	96	99	97	94		97	95	93		96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94	92	91	90
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93	90	89	88
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91	89	87	86
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89	87	85	85
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88	86	84	83
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		86	84	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2716405
5°	2357731
10°	1456842
15°	505996
20°	155390
25°	54923
30°	20332
35°	8165
40°	4351
45°	1706
50°	955
55°	1070
60°	1228
65°	726
70°	898
75°	1186
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1706 cd/sqm

TEST NUMBER: P1257684

CATALOG NUMBER: P3AS17R209040DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	889.0	50.8
10°-20°	705.3	40.3
20°-30°	122.1	7.0
30°-40°	22.2	1.3
40°-50°	5.1	0.3
50°-60°	2.5	0.1
60°-70°	1.6	0.1
70°-80°	1.3	0.1
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°	1716.4	98.1
0°-40°	1738.6	99.4
0°-60°	1746.2	99.8
0°-90°	1749.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12388	
5°	10711	889
15°	2229	705
25°	227	122
35°	30	22
45°	6	5
55°	3	3
65°	1	2
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12387.8
1°	12328.2
2°	12092.9
3°	11714.9
4°	11271.9
5°	10711.2
6°	10068.9
7°	9321.3
8°	8469.9
9°	7513.2
10°	6542.8
12.5°	4126.9
15°	2228.9
17.5°	1190.6
20°	665.9
22.5°	380.7
25°	227.0
27.5°	138.4
30°	80.3
32.5°	47.1
35°	30.5
37.5°	20.8
40°	15.2
42.5°	9.7
45°	5.5
47.5°	2.8
50°	2.8
52.5°	2.8
55°	2.8
57.5°	2.8
60°	2.8
62.5°	1.4
65°	1.4
67.5°	1.4
70°	1.4
72.5°	1.4
75°	1.4
77.5°	1.4
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)