

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: P1272539

Luminaire Tested: P3AS20R159827D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159827D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

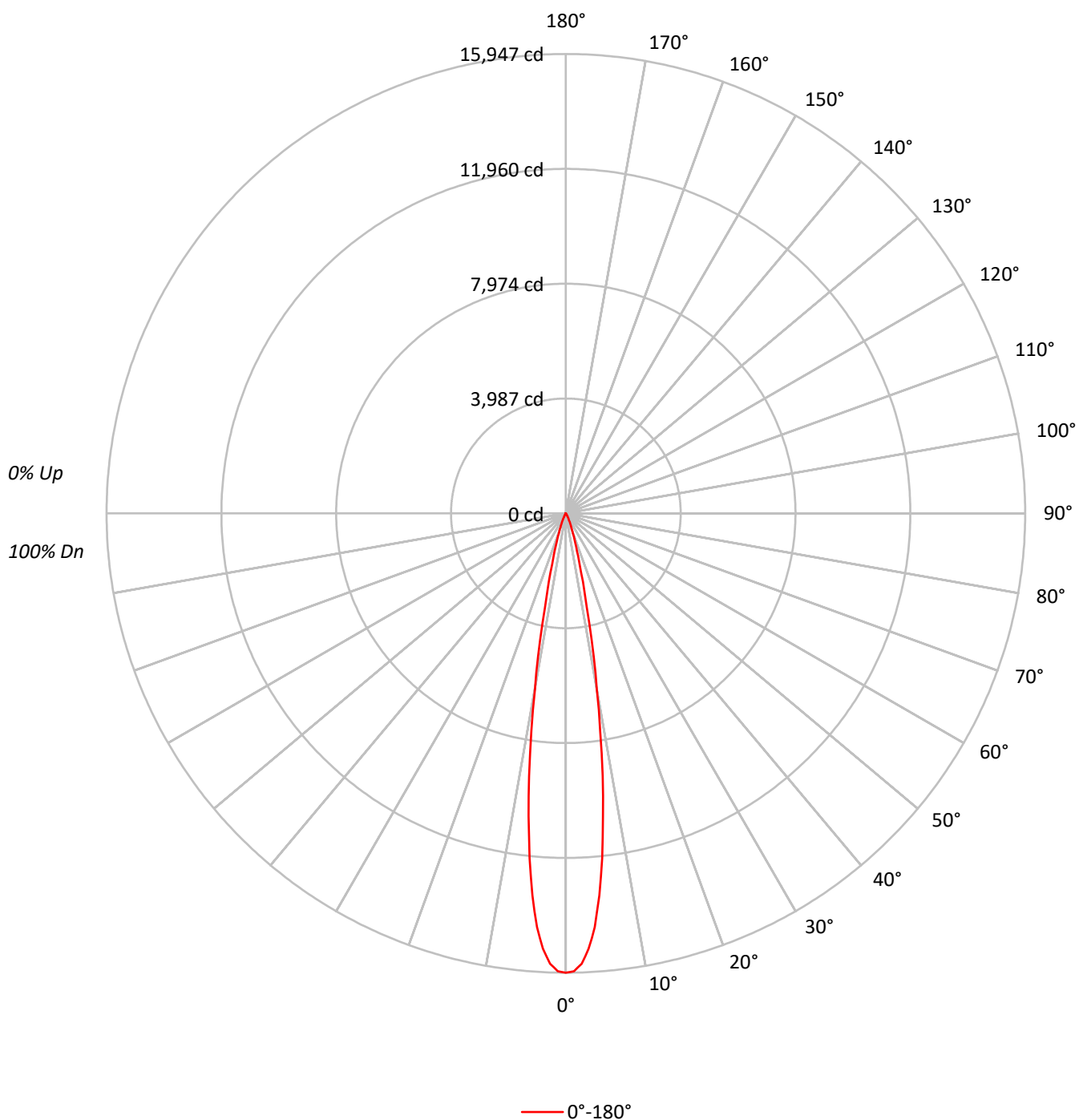
Lumens per Lamp: N/A
Luminaire Lumens: 1798.9 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1272539

CATALOG NUMBER: P3AS20R159827D010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1272539

CATALOG NUMBER: P3AS20R159827D010 E3CB1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	100	97	106	102	99	97	100	97	95		98	96	94		97
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	92	96	93	91		95	92	91		94
7	101	96	92	90	100	95	92	90	94	91	89		93	91	89		92
8	99	94	90	88	98	93	90	88	92	90	88		92	89	87		91
9	97	92	89	87	97	92	89	87	91	88	86		90	88	86		90
10	96	90	87	85	95	90	87	85	89	87	85		89	86	85		88

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3496825
5°	2930677
10°	1380469
15°	416189
20°	153990
25°	59882
30°	22333
35°	6853
40°	2433
45°	1333
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: 1333 cd/sqm

TEST NUMBER: P1272539

CATALOG NUMBER: P3AS20R159827D010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1029.3	57.2
10°-20°	611.8	34.0
20°-30°	128.5	7.1
30°-40°	20.7	1.2
40°-50°	3.5	0.2
50°-60°	2.5	0.1
60°-70°	1.6	0.1
70°-80°	0.9	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°	1769.7	98.4
0°-40°	1790.4	99.5
0°-60°	1796.4	99.9
0°-90°	1798.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1798.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15947	
5°	13314	###
15°	1833	612
25°	248	129
35°	26	21
45°	4	4
55°	3	3
65°	1	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1272539

CATALOG NUMBER: P3AS20R159827D010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	15946.8
1°	15897.0
2°	15643.9
3°	15137.5
4°	14395.1
5°	13314.1
6°	12044.0
7°	10591.9
8°	9205.1
9°	7634.9
10°	6199.8
12.5°	3345.2
15°	1833.3
17.5°	1073.8
20°	659.9
22.5°	403.9
25°	247.5
27.5°	149.3
30°	88.2
32.5°	49.8
35°	25.6
37.5°	14.2
40°	8.5
42.5°	5.7
45°	4.3
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°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)