

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: P1255301

Luminaire Tested: P3AS20R159035D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1255301
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R159035D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

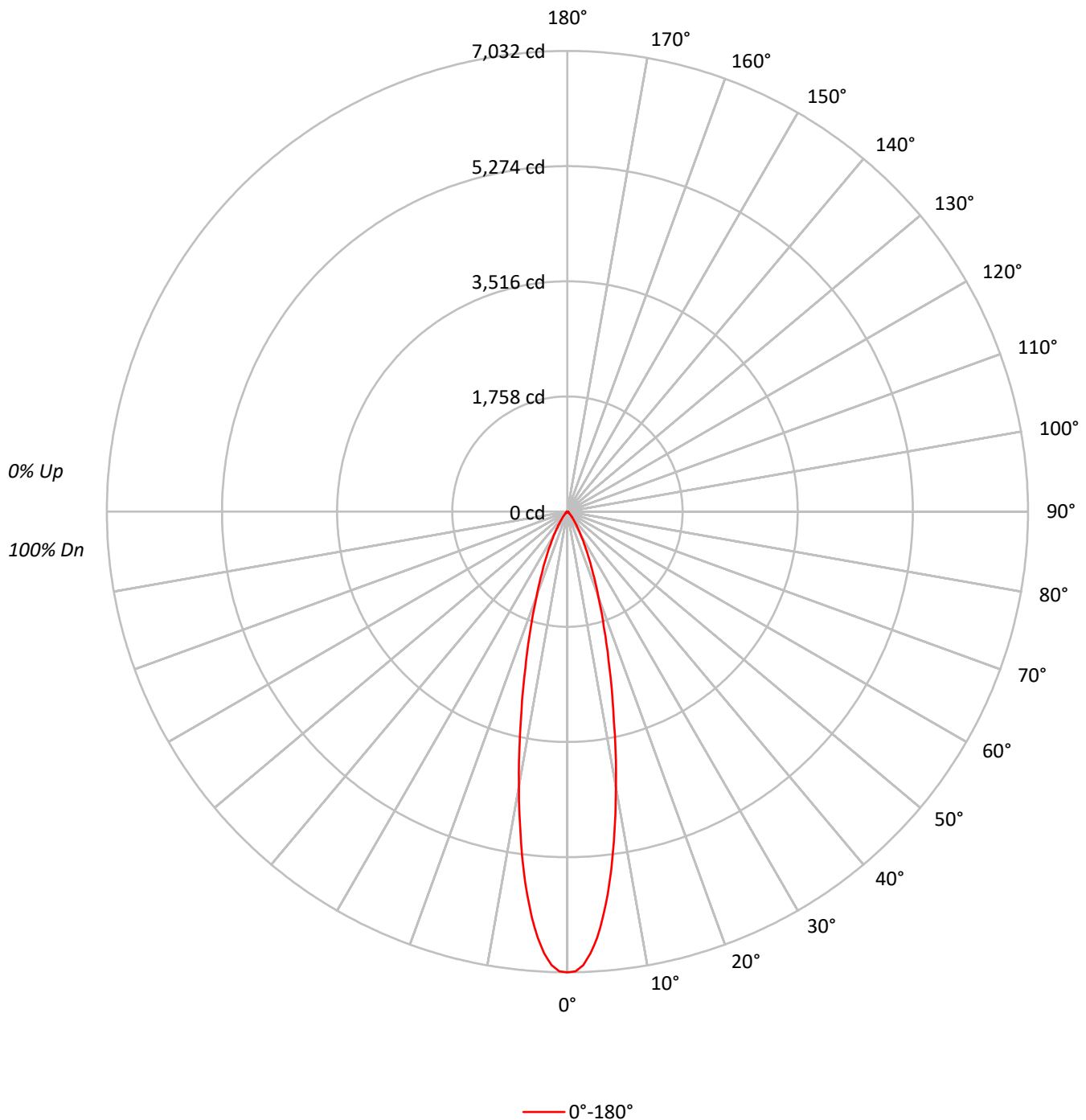
Lumens per Lamp: N/A
Luminaire Lumens: 1805.0 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1255301

CATALOG NUMBER: P3AS20R159035D010 E3DL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1255301

CATALOG NUMBER: P3AS20R159035D010 E3DL1MW

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1541938
5°	1368718
10°	950506
15°	562114
20°	320138
25°	183011
30°	101256
35°	53994
40°	29856
45°	16188
50°	10098
55°	7990
60°	6842
65°	6330
70°	5578
75°	5931
80°	4420
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16188 cd/sqm

TEST NUMBER: P1255301

CATALOG NUMBER: P3AS20R159035D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.8	29.3
10°-20°	697.8	38.7
20°-30°	359.3	19.9
30°-40°	134.9	7.5
40°-50°	44.2	2.4
50°-60°	19.0	1.1
60°-70°	12.0	0.7
70°-80°	7.1	0.4
80°-90°	1.9	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°	1585.9	87.9
0°-40°	1720.8	95.3
0°-60°	1784.0	98.8
0°-90°	1805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1805.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7032	
5°	6218	529
15°	2476	698
25°	756	359
35°	202	135
45°	52	44
55°	21	19
65°	12	12
75°	7	7
85°	2	2
90°	0	

TEST NUMBER: P1255301

CATALOG NUMBER: P3AS20R159035D010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	7031.8
1°	7017.9
2°	6925.8
3°	6750.1
4°	6518.9
5°	6218.1
6°	5877.2
7°	5503.4
8°	5087.8
9°	4677.5
10°	4268.8
12.5°	3284.6
15°	2476.1
17.5°	1853.6
20°	1371.9
22.5°	1024.2
25°	756.4
27.5°	551.2
30°	399.9
32.5°	283.4
35°	201.7
37.5°	144.3
40°	104.3
42.5°	74.8
45°	52.2
47.5°	38.3
50°	29.6
52.5°	24.3
55°	20.9
57.5°	17.4
60°	15.6
62.5°	13.9
65°	12.2
67.5°	10.4
70°	8.7
72.5°	8.7
75°	7.0
77.5°	5.2
80°	3.5
82.5°	3.5
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)