

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: P1258120

Luminaire Tested: P3AS20R359040D010 E3CD1MMS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R359040D010 E3CD1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

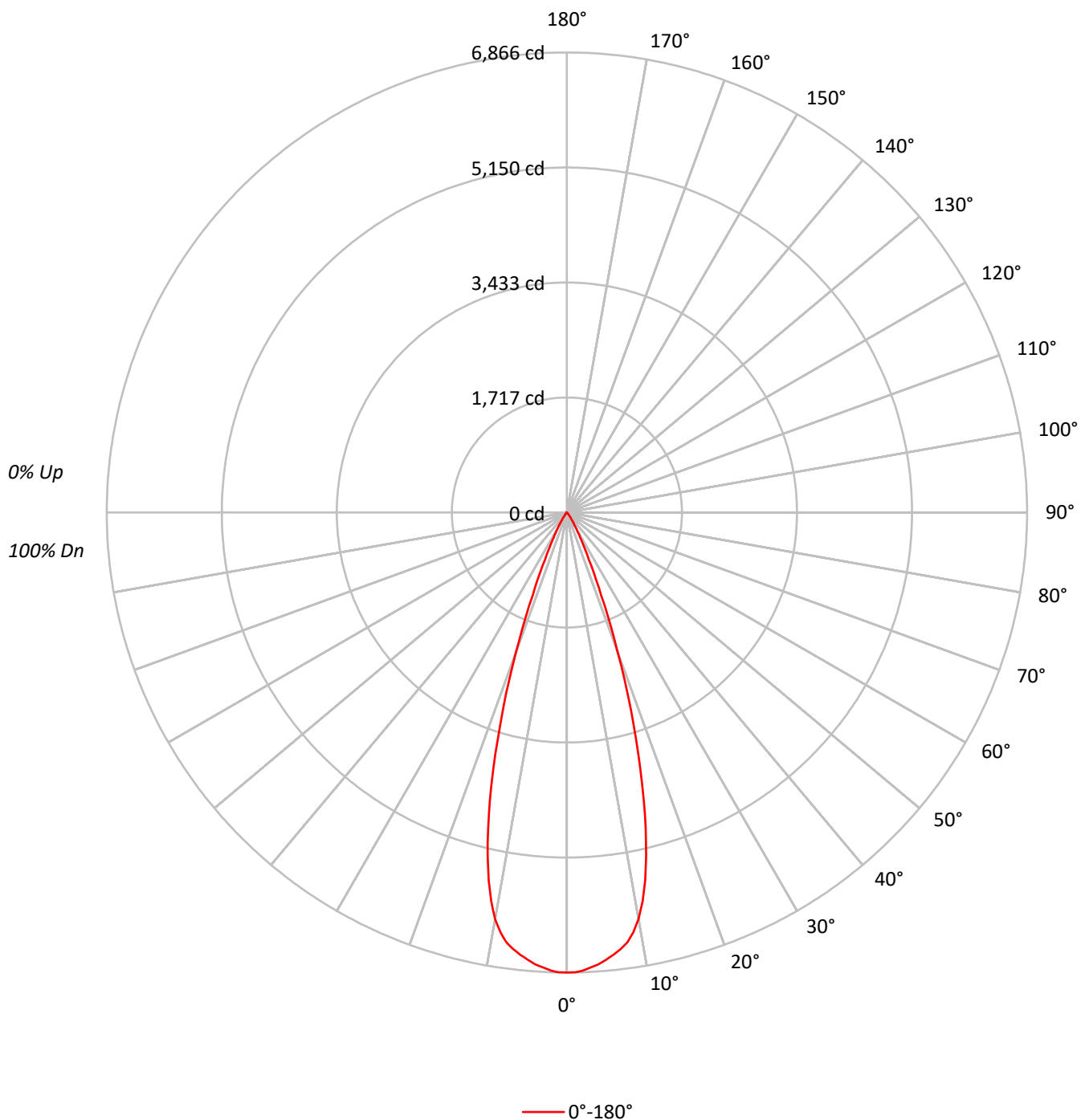
Lumens per Lamp: N/A
Luminaire Lumens: 2309.0 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258120

CATALOG NUMBER: P3AS20R359040D010 E3CD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1258120

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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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1505625
5°	1474947
10°	1372163
15°	1005999
20°	515128
25°	185672
30°	72290
35°	25324
40°	10420
45°	2822
50°	2490
55°	2791
60°	2412
65°	1868
70°	2308
75°	3050
80°	2273
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 75°
Luminance: 3050 cd/sqm

TEST NUMBER: P1258120

CATALOG NUMBER: P3AS20R359040D010 E3CD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.7	27.1
10°-20°	1172.0	50.8
20°-30°	415.0	18.0
30°-40°	72.7	3.1
40°-50°	10.7	0.5
50°-60°	5.9	0.3
60°-70°	4.3	0.2
70°-80°	3.1	0.1
80°-90°	0.7	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°	2211.7	95.8
0°-40°	2284.4	98.9
0°-60°	2300.9	99.7
0°-90°	2309.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2309.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6866	
5°	6701	625
15°	4431	1172
25°	767	415
35°	95	73
45°	9	11
55°	7	6
65°	4	4
75°	4	3
85°	0	1
90°	0	

TEST NUMBER: P1258120

CATALOG NUMBER: P3AS20R359040D010 E3CD1MMS

CANDELA DISTRIBUTION (FULL):

0°	
0°	6866.2
1°	6864.4
2°	6842.5
3°	6800.7
4°	6762.5
5°	6700.7
6°	6637.1
7°	6566.1
8°	6478.9
9°	6342.5
10°	6162.5
11°	5913.4
12°	5613.3
13°	5256.9
14°	4864.1
15°	4431.4
17.5°	3300.3
20°	2207.5
22.5°	1331.0
25°	767.4
27.5°	458.2
30°	285.5
32.5°	165.5
35°	94.6
37.5°	60.0
40°	36.4
42.5°	18.2
45°	9.1
47.5°	7.3
50°	7.3
52.5°	7.3
55°	7.3
57.5°	5.5
60°	5.5
62.5°	5.5
65°	3.6
67.5°	3.6
70°	3.6
72.5°	3.6
75°	3.6
77.5°	1.8
80°	1.8
82.5°	1.8
85°	0.0
87.5°	0.0



TEST NUMBER: P1258120

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CANDELA DISTRIBUTION (continued):



(END OF REPORT)