

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: P1268154

Luminaire Tested: P3A20R309735D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268154
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309735D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

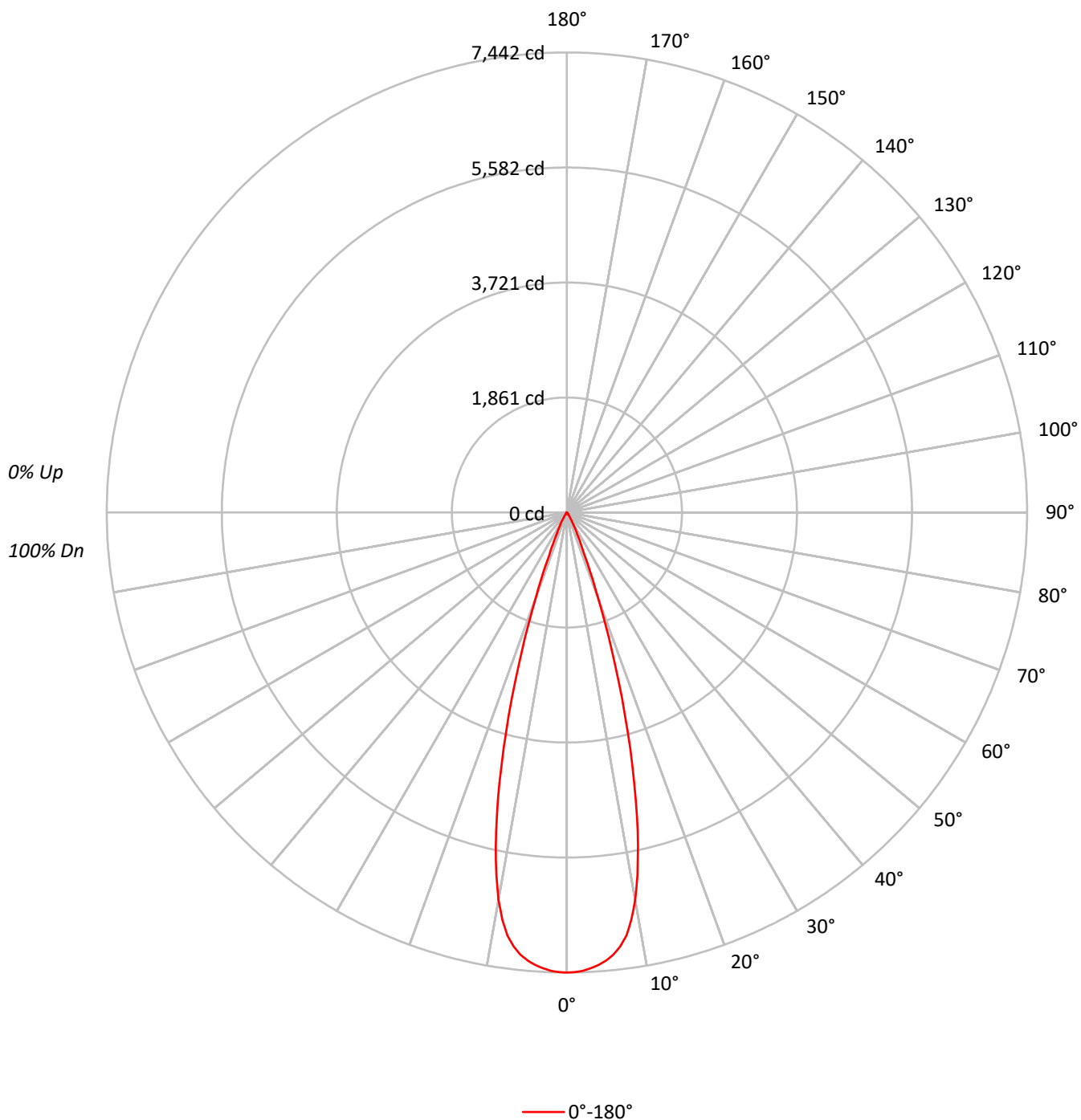
Lumens per Lamp: N/A
Luminaire Lumens: 2004.0 lumens
Efficiency: N/A
Efficacy: 69.6 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1268154

CATALOG NUMBER: P3A20R309735D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1268154

CATALOG NUMBER: P3A20R309735D010 E3CD1MB

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	87	86	85	84
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	80	79
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	77	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1631931
5°	1601096
10°	1417364
15°	897985
20°	340860
25°	100917
30°	39854
35°	12207
40°	5410
45°	1954
50°	1603
55°	1185
60°	1360
65°	1608
70°	1026
75°	1356
80°	2020
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 80°
Luminance: 2020 cd/sqm

TEST NUMBER: P1268154

CATALOG NUMBER: P3A20R309735D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	668.7	33.4
10°-20°	1042.1	52.0
20°-30°	242.0	12.1
30°-40°	37.5	1.9
40°-50°	6.4	0.3
50°-60°	3.0	0.1
60°-70°	2.5	0.1
70°-80°	1.7	0.1
80°-90°	0.2	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°	1952.7	97.4
0°-40°	1990.2	99.3
0°-60°	1999.5	99.8
0°-90°	2004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2004.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7442	
5°	7274	669
15°	3956	1042
25°	417	242
35°	46	37
45°	6	6
55°	3	3
65°	3	3
75°	2	2
85°	0	0
90°	0	

TEST NUMBER: P1268154

CATALOG NUMBER: P3A20R309735D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	7442.2
1°	7437.5
2°	7417.0
3°	7382.4
4°	7338.3
5°	7273.8
6°	7193.5
7°	7073.9
8°	6910.2
9°	6669.3
10°	6365.5
11°	5973.6
12°	5531.3
13°	5040.2
14°	4500.3
15°	3955.6
17.5°	2587.8
20°	1460.7
22.5°	746.1
25°	417.1
27.5°	256.6
30°	157.4
32.5°	85.0
35°	45.6
37.5°	29.9
40°	18.9
42.5°	11.0
45°	6.3
47.5°	4.7
50°	4.7
52.5°	3.1
55°	3.1
57.5°	3.1
60°	3.1
62.5°	3.1
65°	3.1
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	1.6
80°	1.6
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1268154
CATALOG NUMBER: P3A20R309735D010 E3CD1MB

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)