

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: P1247834

Luminaire Tested: P3A20R709024D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R709024D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

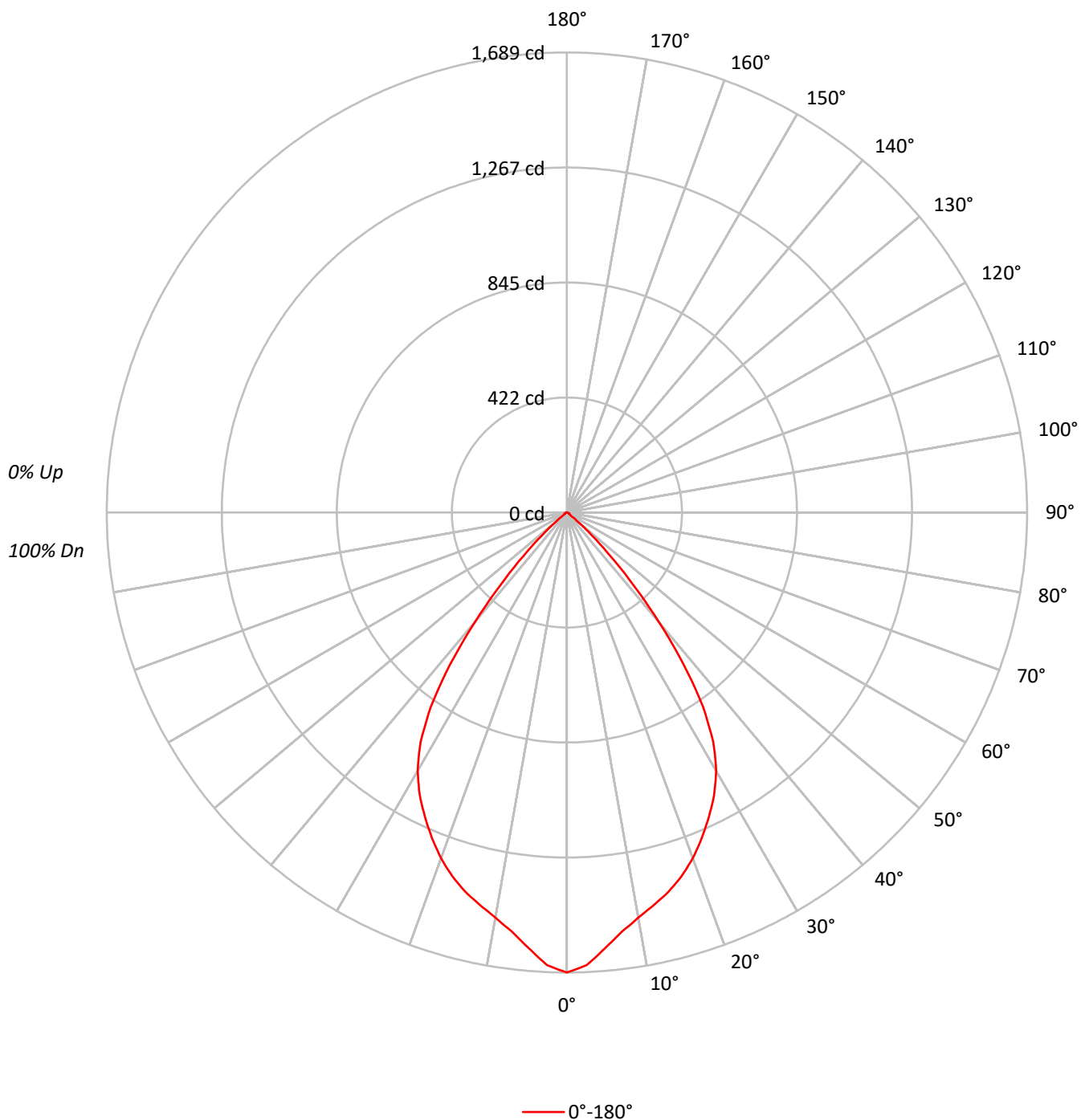
Lumens per Lamp: N/A
Luminaire Lumens: 1865.0 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247834

CATALOG NUMBER: P3A20R709024D010 E3CD1MB

Luminous Intensity Polar Plot





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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	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	370343
5°	353378
10°	336222
15°	327221
20°	315144
25°	298251
30°	277410
35°	233026
40°	150196
45°	69806
50°	18319
55°	4549
60°	4561
65°	3891
70°	3847
75°	3813
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69806 cd/sqm

TEST NUMBER: P1247834

CATALOG NUMBER: P3A20R709024D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.3	8.1
10°-20°	405.0	21.7
20°-30°	565.9	30.3
30°-40°	524.7	28.1
40°-50°	188.1	10.1
50°-60°	15.9	0.9
60°-70°	7.9	0.4
70°-80°	5.1	0.3
80°-90°	2.0	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°	1121.2	60.1
0°-40°	1645.9	88.2
0°-60°	1849.9	99.2
0°-90°	1865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1865.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1689	
5°	1605	150
15°	1441	405
25°	1233	566
35°	870	525
45°	225	188
55°	12	16
65°	8	8
75°	4	5
85°	2	2
90°	0	

TEST NUMBER: P1247834

CATALOG NUMBER: P3A20R709024D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1688.9
2.5°	1663.5
5°	1605.4
7.5°	1551.7
10°	1510.0
12.5°	1475.7
15°	1441.4
17.5°	1399.7
20°	1350.5
22.5°	1293.9
25°	1232.7
27.5°	1170.1
30°	1095.6
32.5°	1000.2
35°	870.5
37.5°	705.1
40°	524.7
42.5°	357.7
45°	225.1
47.5°	125.2
50°	53.7
52.5°	17.9
55°	11.9
57.5°	10.4
60°	10.4
62.5°	8.9
65°	7.5
67.5°	7.5
70°	6.0
72.5°	6.0
75°	4.5
77.5°	4.5
80°	3.0
82.5°	3.0
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)