

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: P1247623

Luminaire Tested: P3A20R309024D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247623
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309024D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

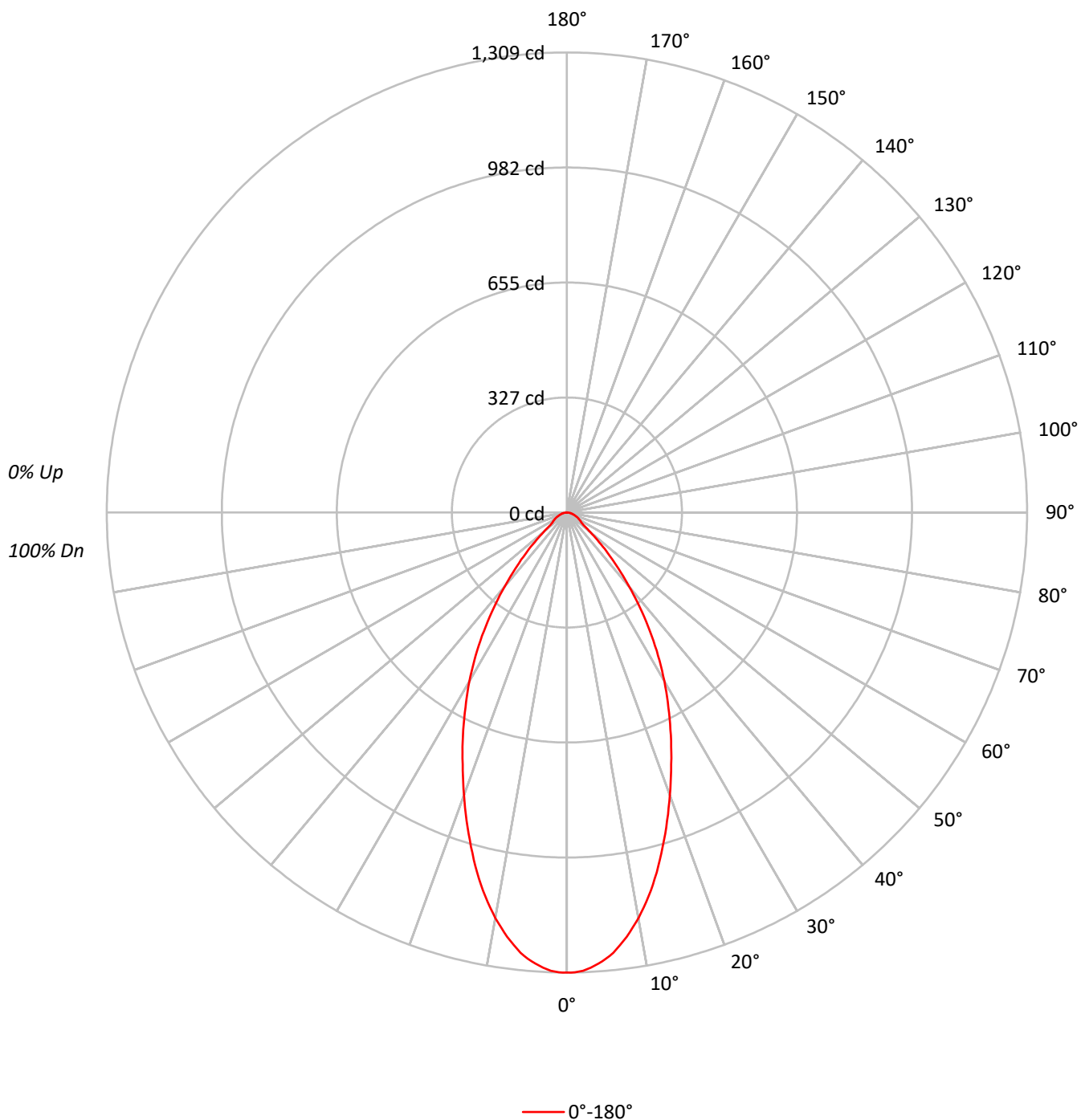
Lumens per Lamp: N/A
Luminaire Lumens: 1215.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.85
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247623

CATALOG NUMBER: P3A20R309024D010 E3DLD1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1247623

CATALOG NUMBER: P3A20R309024D010 E3DLD1WMH

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	112	109	106	104	110	107	105	102	103	101	99		99	98	96		96
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		89
3	100	92	87	82	98	91	86	82	88	84	80		86	82	79		84
4	94	85	79	74	92	84	79	74	82	77	73		80	76	72		78
5	89	79	73	68	87	78	72	68	76	71	67		75	70	66		73
6	84	74	67	62	82	73	67	62	71	66	62		70	65	61		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	54	74	64	58	53	63	57	53		62	57	53		61
9	71	61	54	50	70	60	54	50	59	54	50		58	53	50		57
10	68	57	51	47	67	57	51	47	56	50	47		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	287038
5°	280585
10°	260939
15°	232192
20°	199704
25°	169171
30°	140427
35°	110155
40°	78948
45°	51788
50°	29509
55°	19383
60°	18288
65°	17019
70°	15323
75°	13895
80°	13133
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51788 cd/sqm

TEST NUMBER: P1247623

CATALOG NUMBER: P3A20R309024D010 E3DLD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.3	9.7
10°-20°	284.3	23.4
20°-30°	320.4	26.4
30°-40°	255.9	21.1
40°-50°	131.5	10.8
50°-60°	49.5	4.1
60°-70°	32.4	2.7
70°-80°	17.5	1.4
80°-90°	5.1	0.4
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°	723.1	59.5
0°-40°	979.0	80.6
0°-60°	1160.0	95.5
0°-90°	1215.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1215.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1309	
5°	1275	118
15°	1023	284
25°	699	320
35°	412	256
45°	167	132
55°	51	49
65°	33	32
75°	16	17
85°	4	5
90°	0	

TEST NUMBER: P1247623

CATALOG NUMBER: P3A20R309024D010 E3DLD1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1309.0
1°	1309.0
2°	1304.6
3°	1297.1
4°	1286.7
5°	1274.7
6°	1259.8
7°	1240.5
8°	1219.6
9°	1195.7
10°	1171.9
11°	1145.0
12°	1116.7
13°	1086.9
14°	1055.6
15°	1022.8
17.5°	939.3
20°	855.8
22.5°	775.3
25°	699.2
27.5°	624.7
30°	554.6
32.5°	483.1
35°	411.5
37.5°	341.4
40°	275.8
42.5°	217.7
45°	167.0
47.5°	123.7
50°	86.5
52.5°	61.1
55°	50.7
57.5°	46.2
60°	41.7
62.5°	37.3
65°	32.8
67.5°	28.3
70°	23.9
72.5°	19.4
75°	16.4
77.5°	13.4
80°	10.4
82.5°	7.5
85°	4.5
87.5°	1.5



TEST NUMBER: P1247623

CATALOG NUMBER: P3A20R309024D010 E3DLD1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)