

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: P1247629

Luminaire Tested: P3A20R309024D010 E3DLP1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R309024D010 E3DLP1WMH
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3DLP1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

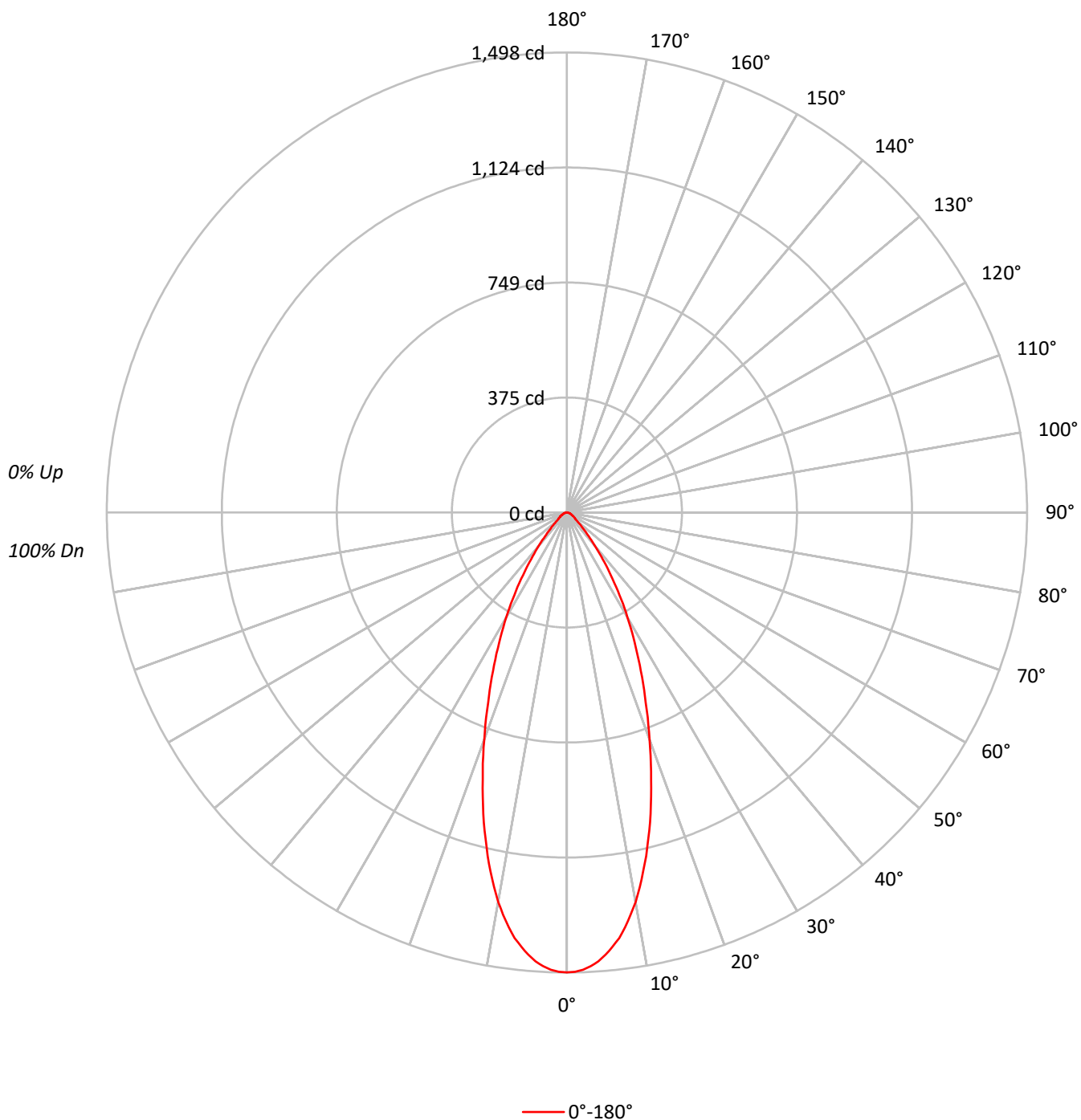
Lumens per Lamp: N/A
Luminaire Lumens: 961.0 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Spacing Criteria (0/90/45): 0.66 / 0.66 / 0.7
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247629

CATALOG NUMBER: P3A20R309024D010 E3DLP1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1247629

CATALOG NUMBER: P3A20R309024D010 E3DLP1WMH

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	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	97	89	84	79	95	88	83	79	86	81	78		84	80	77		82
5	92	84	78	73	90	83	77	73	81	76	72		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	71	67		74
7	83	74	68	64	82	74	68	64	72	67	63		71	67	63		70
8	80	70	64	60	78	70	64	60	69	63	60		67	63	60		67
9	76	67	61	57	75	66	60	57	65	60	56		64	60	56		63
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328395
5°	318159
10°	286679
15°	237141
20°	183603
25°	137718
30°	99990
35°	66629
40°	40962
45°	24034
50°	14737
55°	11966
60°	10438
65°	8509
70°	7629
75°	7540
80°	5683
85°	7548

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24034 cd/sqm

TEST NUMBER: P1247629

CATALOG NUMBER: P3A20R309024D010 E3DLP1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.0	13.8
10°-20°	287.7	29.9
20°-30°	261.7	27.2
30°-40°	158.3	16.5
40°-50°	63.5	6.6
50°-60°	28.1	2.9
60°-70°	16.9	1.8
70°-80°	9.2	1.0
80°-90°	2.7	0.3
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°	682.4	71.0
0°-40°	840.7	87.5
0°-60°	932.2	97.0
0°-90°	961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1498	
5°	1445	133
15°	1045	288
25°	569	262
35°	249	158
45°	78	63
55°	31	28
65°	16	17
75°	9	9
85°	3	3
90°	0	

TEST NUMBER: P1247629

CATALOG NUMBER: P3A20R309024D010 E3DLP1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1497.6
1°	1496.1
2°	1490.1
3°	1479.7
4°	1464.8
5°	1445.4
6°	1421.6
7°	1396.3
8°	1363.5
9°	1326.2
10°	1287.5
11°	1242.8
12°	1195.1
13°	1147.4
14°	1095.3
15°	1044.6
17.5°	912.0
20°	786.8
22.5°	670.6
25°	569.2
27.5°	476.8
30°	394.9
32.5°	318.9
35°	248.9
37.5°	190.7
40°	143.1
42.5°	104.3
45°	77.5
47.5°	58.1
50°	43.2
52.5°	34.3
55°	31.3
57.5°	26.8
60°	23.8
62.5°	19.4
65°	16.4
67.5°	14.9
70°	11.9
72.5°	10.4
75°	8.9
77.5°	7.5
80°	4.5
82.5°	3.0
85°	3.0
87.5°	1.5



TEST NUMBER: P1247629
CATALOG NUMBER: P3A20R309024D010 E3DLP1WMH

CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)