

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: P1252777

Luminaire Tested: P3AS20R459030D010 E3DLD1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1252777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459030D010 E3DLD1WMH
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3DLD1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

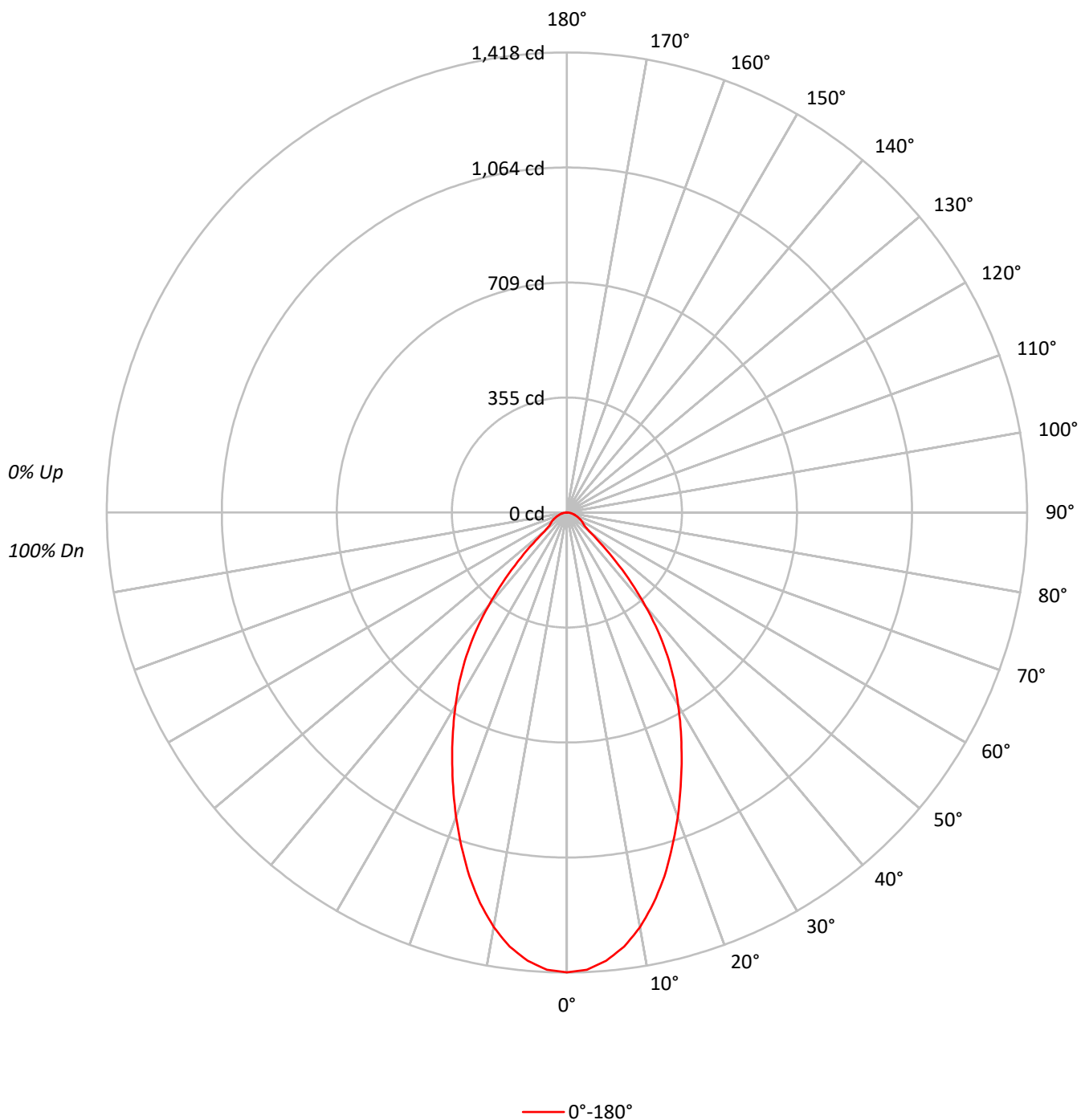
Lumens per Lamp: N/A
Luminaire Lumens: 1466.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1252777

CATALOG NUMBER: P3AS20R459030D010 E3DLD1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1252777

CATALOG NUMBER: P3AS20R459030D010 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	104	102	103	101	99		99	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	310830
5°	305326
10°	288906
15°	263498
20°	233004
25°	202342
30°	173672
35°	144714
40°	107859
45°	66022
50°	30532
55°	23894
60°	22981
65°	21014
70°	19490
75°	18639
80°	17048
85°	12831

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 66022 cd/sqm

TEST NUMBER: P1252777

CATALOG NUMBER: P3AS20R459030D010 E3DLD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	8.8
10°-20°	323.2	22.0
20°-30°	383.9	26.2
30°-40°	333.6	22.8
40°-50°	167.3	11.4
50°-60°	58.1	4.0
60°-70°	40.7	2.8
70°-80°	22.7	1.5
80°-90°	6.9	0.5
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°	836.7	57.1
0°-40°	1170.3	79.8
0°-60°	1395.6	95.2
0°-90°	1466.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1466.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1418	
5°	1387	130
15°	1161	323
25°	836	384
35°	541	334
45°	213	167
55°	62	58
65°	40	41
75°	22	23
85°	5	7
90°	0	

TEST NUMBER: P1252777

CATALOG NUMBER: P3AS20R459030D010 E3DLD1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1417.5
2.5°	1410.7
5°	1387.1
7.5°	1349.9
10°	1297.5
12.5°	1233.3
15°	1160.7
17.5°	1079.6
20°	998.5
22.5°	915.7
25°	836.3
27.5°	760.3
30°	685.9
32.5°	615.0
35°	540.6
37.5°	461.2
40°	376.8
42.5°	294.0
45°	212.9
47.5°	140.2
50°	89.5
52.5°	69.3
55°	62.5
57.5°	57.4
60°	52.4
62.5°	47.3
65°	40.5
67.5°	35.5
70°	30.4
72.5°	25.3
75°	22.0
77.5°	16.9
80°	13.5
82.5°	10.1
85°	5.1
87.5°	3.4
90°	0.0

(END OF REPORT)