

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: P1258160

Luminaire Tested: P3AS20R409040D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R409040D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

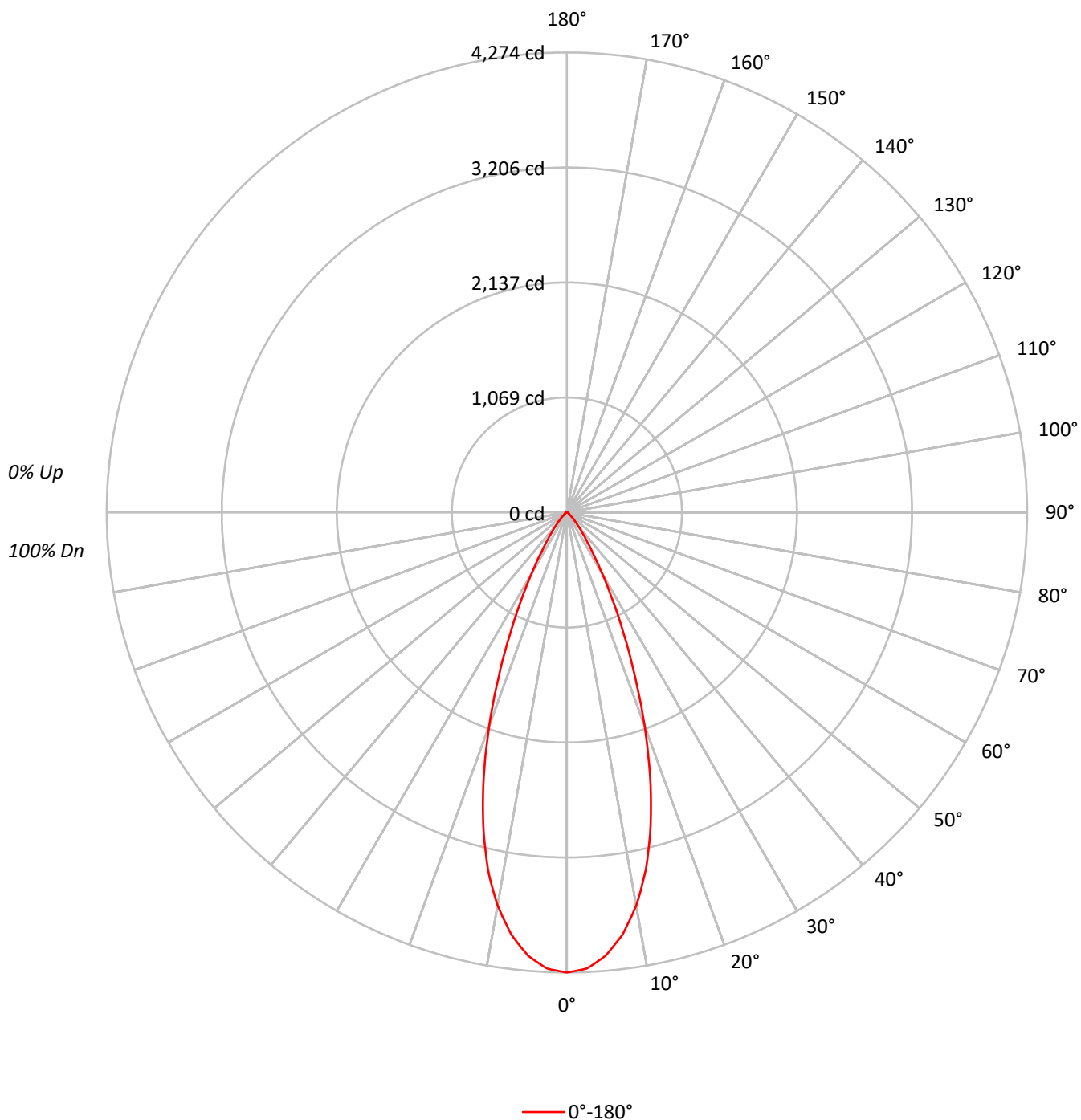
Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1258160

CATALOG NUMBER: P3AS20R409040D010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1258160

CATALOG NUMBER: P3AS20R409040D010 E3DL1WMH

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	114	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	68	84	76	71	67	75	70	67		74	70	67		73
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	937206
5°	909969
10°	825770
15°	682206
20°	492096
25°	304372
30°	164785
35°	85153
40°	46315
45°	25925
50°	13032
55°	9749
60°	8771
65°	8509
70°	8142
75°	7710
80°	6945
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25925 cd/sqm

TEST NUMBER: P1258160

CATALOG NUMBER: P3AS20R409040D010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.1	18.0
10°-20°	818.3	38.6
20°-30°	583.9	27.6
30°-40°	215.0	10.1
40°-50°	67.7	3.2
50°-60°	23.5	1.1
60°-70°	16.2	0.8
70°-80°	9.6	0.5
80°-90°	2.7	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°	1783.3	84.2
0°-40°	1998.3	94.3
0°-60°	2089.5	98.7
0°-90°	2118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2118.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4274	
5°	4134	381
15°	3005	818
25°	1258	584
35°	318	215
45°	84	68
55°	26	24
65°	16	16
75°	9	10
85°	2	3
90°	0	

TEST NUMBER: P1258160

CATALOG NUMBER: P3AS20R409040D010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	4274.0
2.5°	4241.3
5°	4134.0
7.5°	3955.8
10°	3708.6
12.5°	3394.1
15°	3005.1
17.5°	2568.7
20°	2108.8
22.5°	1656.1
25°	1258.0
27.5°	923.5
30°	650.8
32.5°	456.3
35°	318.1
37.5°	225.4
40°	161.8
42.5°	116.3
45°	83.6
47.5°	56.4
50°	38.2
52.5°	27.3
55°	25.5
57.5°	23.6
60°	20.0
62.5°	18.2
65°	16.4
67.5°	14.5
70°	12.7
72.5°	10.9
75°	9.1
77.5°	7.3
80°	5.5
82.5°	3.6
85°	1.8
87.5°	1.8
90°	0.0

(END OF REPORT)