

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: P1276843

Luminaire Tested: P3AS20R409835D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1276843
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: P3AS20R409835D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

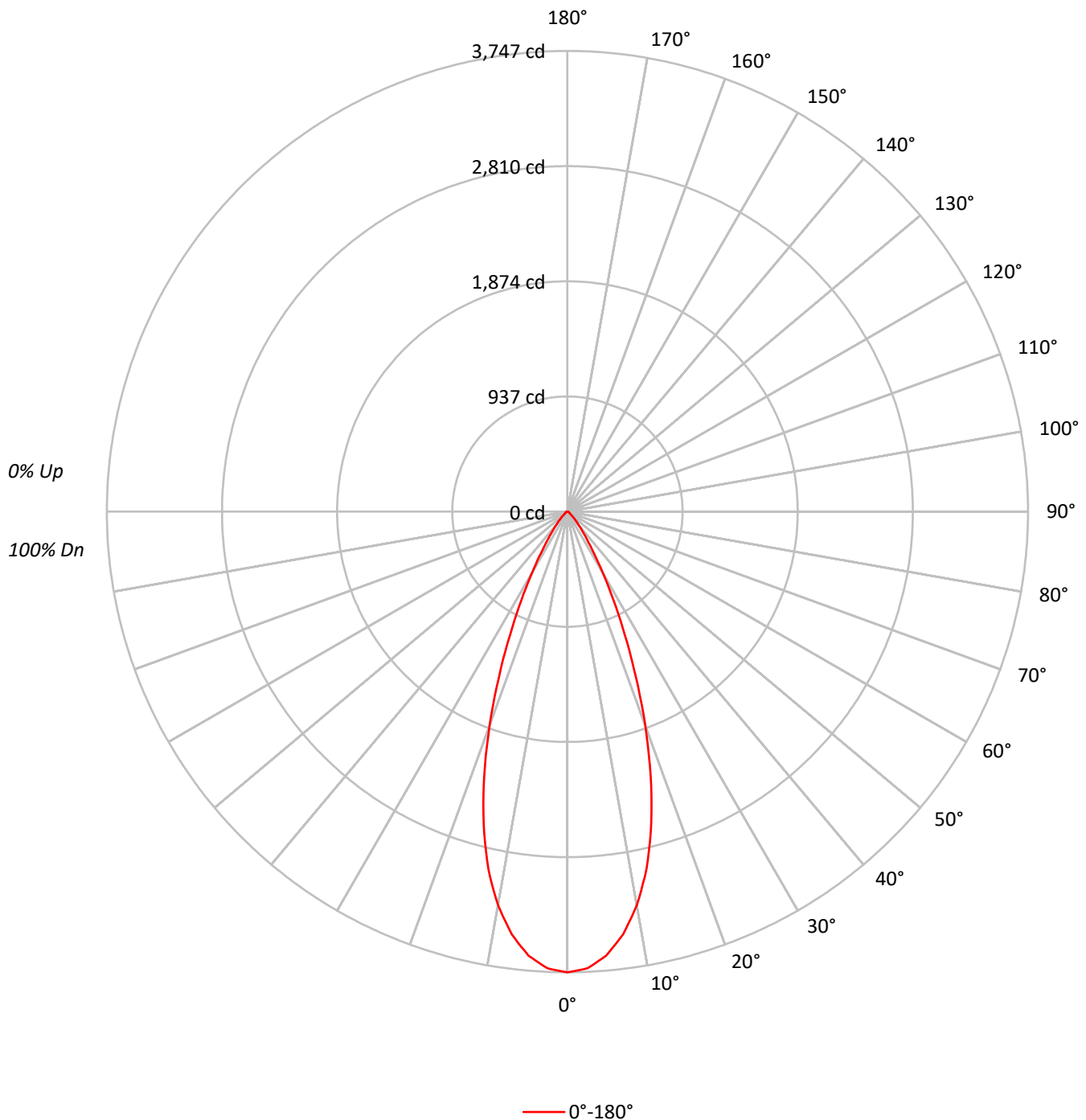
Lumens per Lamp: N/A
Luminaire Lumens: 1857.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1276843

CATALOG NUMBER: P3AS20R409835D010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1276843

CATALOG NUMBER: P3AS20R409835D010 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°	821710
5°	797841
10°	724012
15°	598119
20°	431448
25°	266870
30°	144478
35°	74659
40°	40619
45°	22731
50°	11428
55°	8525
60°	7675
65°	7420
70°	7181
75°	6778
80°	6061
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22731 cd/sqm

TEST NUMBER: P1276843

CATALOG NUMBER: P3AS20R409835D010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.1	18.0
10°-20°	717.4	38.6
20°-30°	512.0	27.6
30°-40°	188.5	10.1
40°-50°	59.3	3.2
50°-60°	20.6	1.1
60°-70°	14.2	0.8
70°-80°	8.4	0.5
80°-90°	2.4	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°	1563.5	84.2
0°-40°	1752.0	94.3
0°-60°	1832.0	98.7
0°-90°	1857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1857.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3747	
5°	3625	334
15°	2635	717
25°	1103	512
35°	279	188
45°	73	59
55°	22	21
65°	14	14
75°	8	8
85°	2	2
90°	0	

TEST NUMBER: P1276843

CATALOG NUMBER: P3AS20R409835D010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	3747.3
2.5°	3718.6
5°	3624.6
7.5°	3468.4
10°	3251.6
12.5°	2975.8
15°	2634.7
17.5°	2252.2
20°	1848.9
22.5°	1452.1
25°	1103.0
27.5°	809.7
30°	570.6
32.5°	400.1
35°	278.9
37.5°	197.6
40°	141.9
42.5°	102.0
45°	73.3
47.5°	49.4
50°	33.5
52.5°	23.9
55°	22.3
57.5°	20.7
60°	17.5
62.5°	15.9
65°	14.3
67.5°	12.8
70°	11.2
72.5°	9.6
75°	8.0
77.5°	6.4
80°	4.8
82.5°	3.2
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)