

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: P1270487

Luminaire Tested: P3A20R209740D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R209740D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

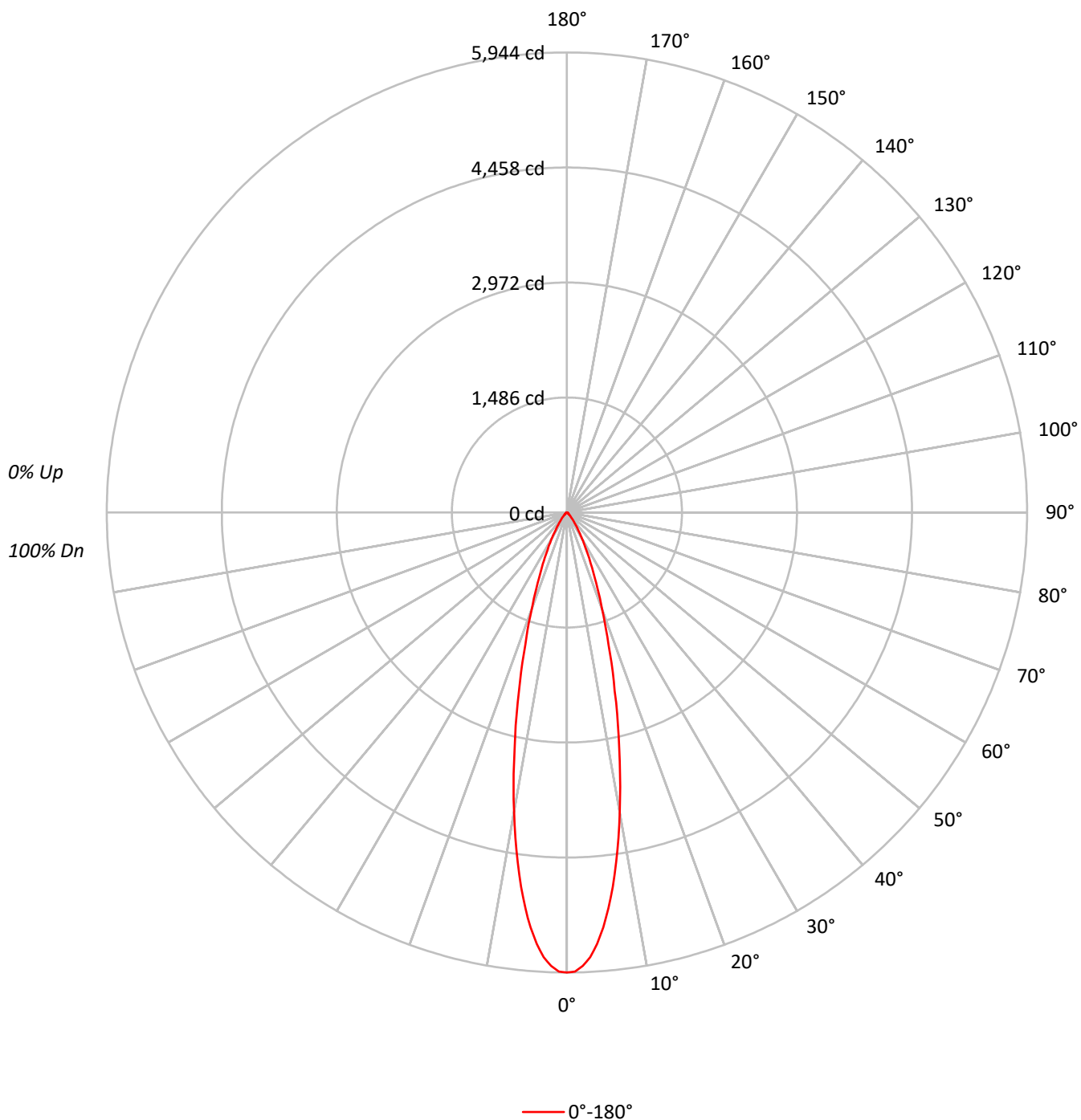
Lumens per Lamp: N/A
Luminaire Lumens: 1694.0 lumens
Efficiency: N/A
Efficacy: 58.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270487

CATALOG NUMBER: P3A20R209740D010 E3DL1WMH

Luminous Intensity Polar Plot



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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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	100	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	96	91	88	100	95	90	87	92	89	86		91	88	85		89
5	98	91	87	83	97	90	86	83	89	85	82		87	84	81		86
6	95	87	83	79	93	87	82	79	85	81	78		84	81	78		83
7	91	84	79	76	90	83	79	76	82	78	75		81	78	75		80
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78
9	85	78	73	70	85	77	73	70	77	73	70		76	72	69		75
10	83	75	71	68	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1303339
5°	1184765
10°	875624
15°	541660
20°	309334
25°	176599
30°	99028
35°	53886
40°	29512
45°	16250
50°	9484
55°	6881
60°	6447
65°	5967
70°	5257
75°	5507
80°	4167
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16250 cd/sqm

TEST NUMBER: P1270487

CATALOG NUMBER: P3A20R209740D010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.1	27.5
10°-20°	665.4	39.3
20°-30°	347.3	20.5
30°-40°	134.3	7.9
40°-50°	43.6	2.6
50°-60°	17.2	1.0
60°-70°	11.3	0.7
70°-80°	6.7	0.4
80°-90°	2.2	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°	1478.8	87.3
0°-40°	1613.0	95.2
0°-60°	1673.8	98.8
0°-90°	1694.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1694.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5944	
5°	5382	466
15°	2386	665
25°	730	347
35°	201	134
45°	52	44
55°	18	17
65°	12	11
75°	6	7
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5943.7
1°	5932.3
2°	5861.9
3°	5753.9
4°	5587.0
5°	5382.4
6°	5140.2
7°	4871.8
8°	4560.9
9°	4258.1
10°	3932.5
12.5°	3125.7
15°	2386.0
17.5°	1785.4
20°	1325.6
22.5°	981.9
25°	729.9
27.5°	538.4
30°	391.1
32.5°	283.1
35°	201.3
37.5°	145.6
40°	103.1
42.5°	73.6
45°	52.4
47.5°	37.6
50°	27.8
52.5°	21.3
55°	18.0
57.5°	16.4
60°	14.7
62.5°	13.1
65°	11.5
67.5°	9.8
70°	8.2
72.5°	8.2
75°	6.5
77.5°	4.9
80°	3.3
82.5°	3.3
85°	1.6
87.5°	1.6
90°	0.0

(END OF REPORT)