

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: P1270456

Luminaire Tested: P3A20R159740D010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1270456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159740D010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

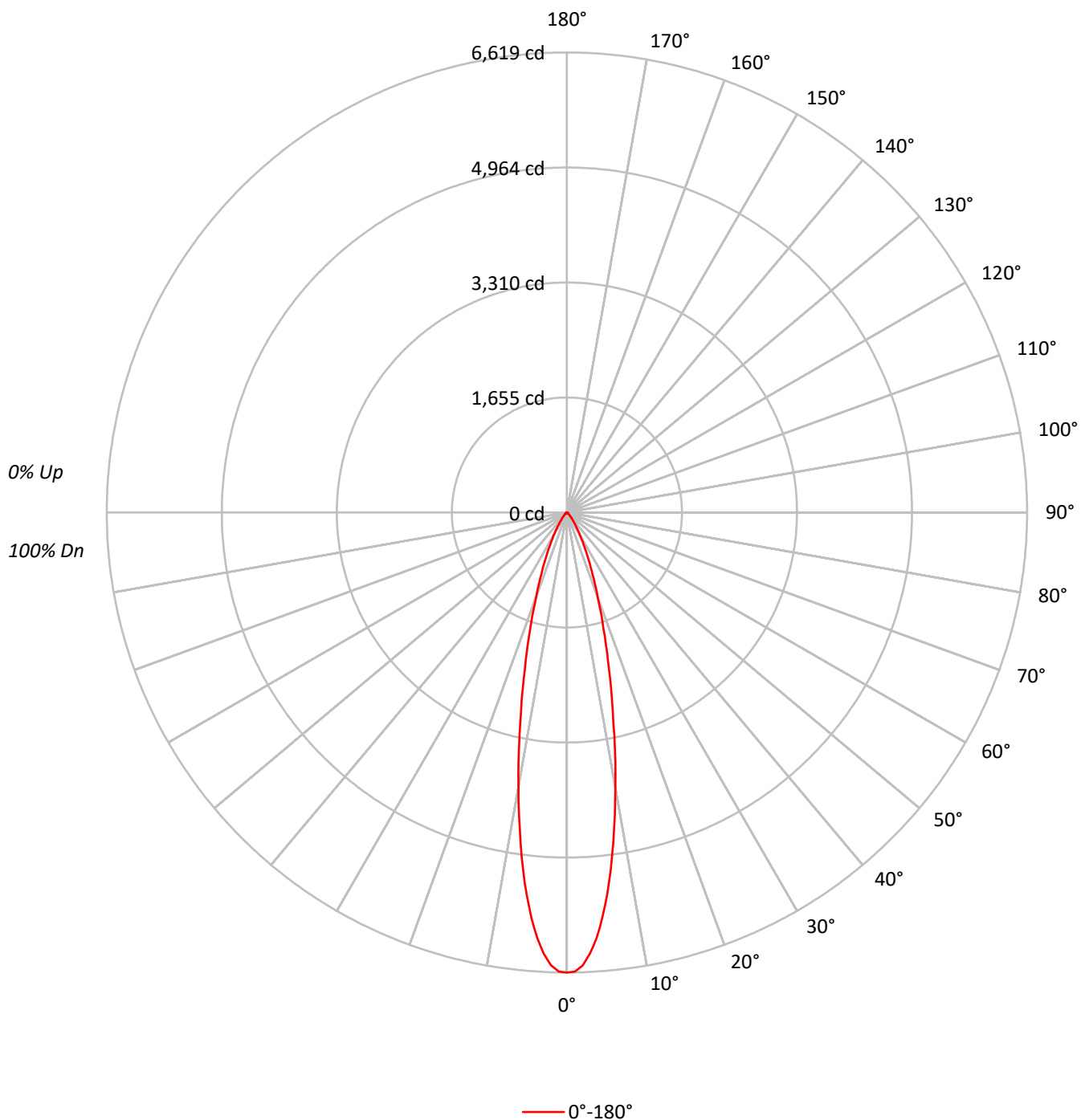
Lumens per Lamp: N/A
Luminaire Lumens: 1699.0 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1270456

CATALOG NUMBER: P3A20R159740D010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1270456

CATALOG NUMBER: P3A20R159740D010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91		
3	106	101	97	93	104	99	96	93	97	94	91	94	92	90	92	90	88	87		
4	102	96	92	88	100	95	91	88	93	89	87	91	88	86	89	87	85	83		
5	98	92	87	84	97	91	87	83	89	85	83	88	84	82	86	83	81	80		
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77		
7	92	85	80	77	91	84	80	76	83	79	76	82	78	76	81	78	75	74		
8	89	81	77	74	88	81	77	73	80	76	73	79	75	73	78	75	73	72		
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69		
10	84	76	71	68	83	76	71	68	75	71	68	74	71	68	74	70	68	67		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1451397
5°	1288330
10°	894684
15°	529106
20°	301353
25°	172268
30°	95306
35°	50835
40°	28110
45°	15226
50°	9484
55°	7493
60°	6447
65°	5967
70°	5257
75°	5507
80°	4167
85°	4026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15226 cd/sqm

TEST NUMBER: P1270456

CATALOG NUMBER: P3A20R159740D010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.7	29.3
10°-20°	656.9	38.7
20°-30°	338.2	19.9
30°-40°	127.0	7.5
40°-50°	41.6	2.4
50°-60°	17.9	1.1
60°-70°	11.3	0.7
70°-80°	6.7	0.4
80°-90°	1.8	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°	1492.8	87.9
0°-40°	1619.8	95.3
0°-60°	1679.2	98.8
0°-90°	1699.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1699.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6619	
5°	5853	498
15°	2331	657
25°	712	338
35°	190	127
45°	49	42
55°	20	18
65°	12	11
75°	6	7
85°	2	2
90°	0	

TEST NUMBER: P1270456

CATALOG NUMBER: P3A20R159740D010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	6618.9
1°	6605.8
2°	6519.0
3°	6353.7
4°	6136.0
5°	5852.9
6°	5532.1
7°	5180.2
8°	4789.0
9°	4402.8
10°	4018.1
12.5°	3091.8
15°	2330.7
17.5°	1744.7
20°	1291.4
22.5°	964.0
25°	712.0
27.5°	518.8
30°	376.4
32.5°	266.8
35°	189.9
37.5°	135.8
40°	98.2
42.5°	70.4
45°	49.1
47.5°	36.0
50°	27.8
52.5°	22.9
55°	19.6
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°	0.0
90°	0.0

(END OF REPORT)