

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: P1273218

Luminaire Tested: P3A02R709830DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-47)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R709830DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

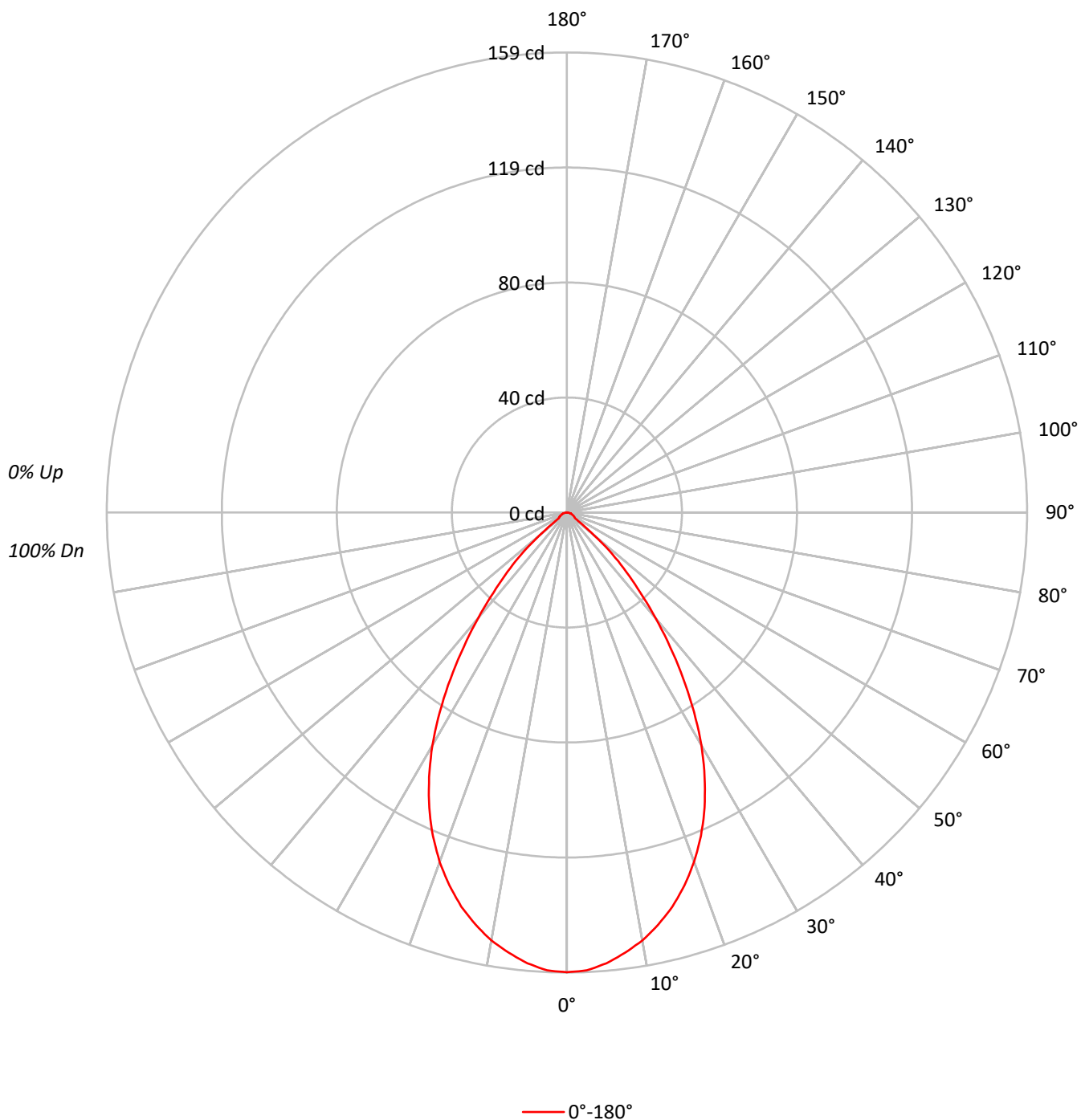
Lumens per Lamp: N/A
Luminaire Lumens: 180.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 0.98
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1273218

CATALOG NUMBER: P3A02R709830DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1273218

CATALOG NUMBER: P3A02R709830DE010 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	113	110	107	104	110	107	105	103	103	101	100		100	98	97		96
2	106	101	96	93	104	99	95	92	96	92	90		93	90	88		90
3	100	93	88	83	98	92	87	82	89	85	81		86	83	80		84
4	94	86	80	75	93	85	79	75	83	78	74		81	76	73		79
5	89	80	73	69	87	79	73	68	77	72	68		75	71	67		74
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69
7	79	69	62	58	78	68	62	58	67	61	57		66	61	57		65
8	75	65	58	53	74	64	58	53	63	57	53		62	57	53		61
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34844
5°	34427
10°	33444
15°	32009
20°	29986
25°	27244
30°	23548
35°	18765
40°	13654
45°	8993
50°	4196
55°	1300
60°	1272
65°	1193
70°	1154
75°	1186
80°	1137
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8993 cd/sqm

TEST NUMBER: P1273218

CATALOG NUMBER: P3A02R709830DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.7	8.2
10°-20°	39.5	21.9
20°-30°	51.3	28.5
30°-40°	43.5	24.2
40°-50°	22.4	12.5
50°-60°	4.3	2.4
60°-70°	2.3	1.3
70°-80°	1.4	0.8
80°-90°	0.4	0.2
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°	105.5	58.6
0°-40°	149.0	82.8
0°-60°	175.8	97.7
0°-90°	180.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	180.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	159	
5°	156	15
15°	141	39
25°	113	51
35°	70	44
45°	29	22
55°	3	4
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1273218

CATALOG NUMBER: P3A02R709830DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	158.9
2.5°	158.4
5°	156.4
7.5°	153.5
10°	150.2
12.5°	145.9
15°	141.0
17.5°	135.1
20°	128.5
22.5°	121.0
25°	112.6
27.5°	103.1
30°	93.0
32.5°	81.7
35°	70.1
37.5°	58.6
40°	47.7
42.5°	37.5
45°	29.0
47.5°	21.3
50°	12.3
52.5°	5.4
55°	3.4
57.5°	3.2
60°	2.9
62.5°	2.7
65°	2.3
67.5°	2.1
70°	1.8
72.5°	1.6
75°	1.4
77.5°	1.1
80°	0.9
82.5°	0.5
85°	0.4
87.5°	0.2
90°	0.0

(END OF REPORT)