

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: P1273354

Luminaire Tested: P3A05R359830DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273354
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R359830DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

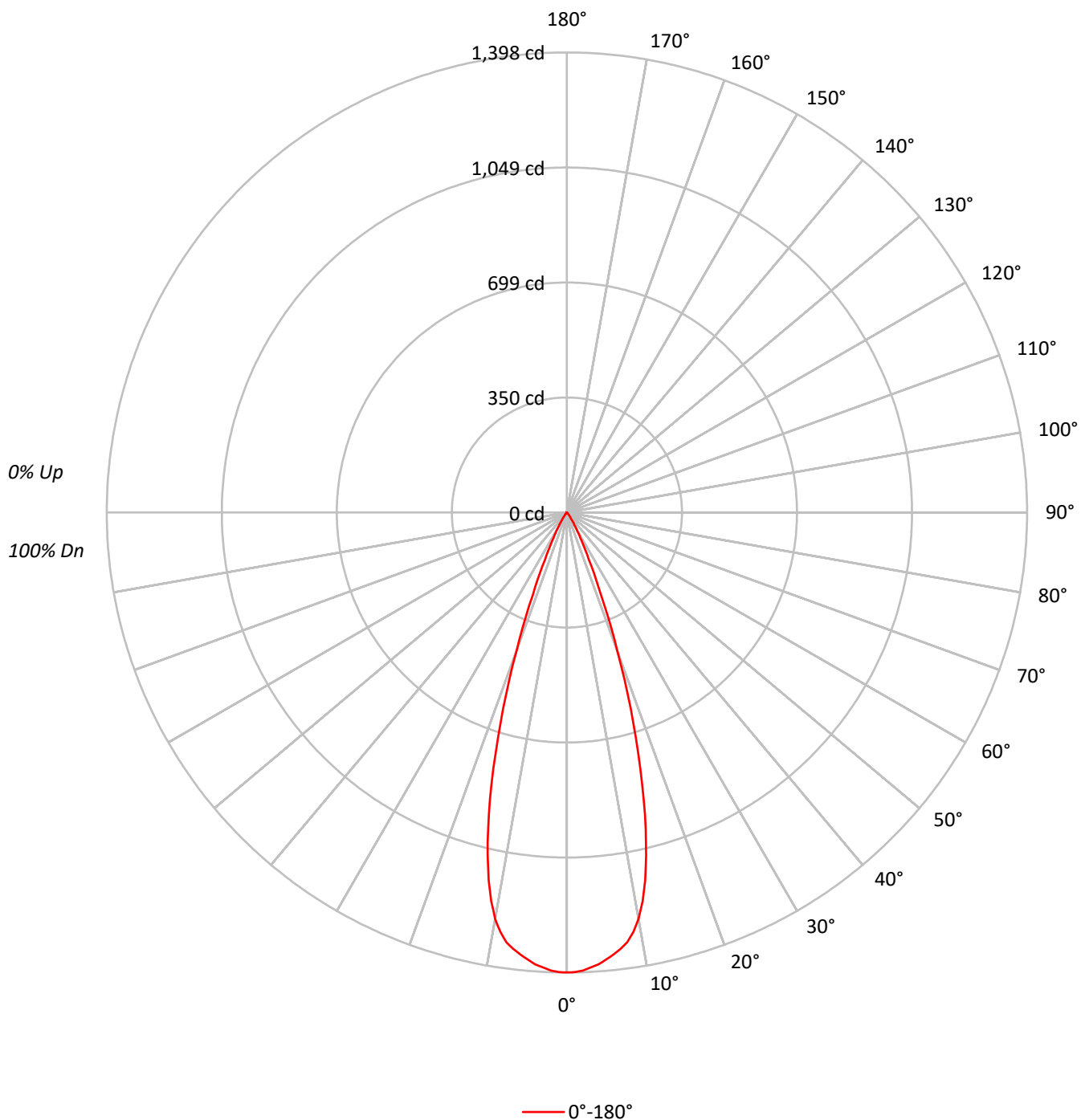
Lumens per Lamp: N/A
Luminaire Lumens: 470.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

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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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99	99	98	96
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97	95	94	93
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89		93	90	88		91	89	87	86
5	100	94	90	87	99	93	89	86	92	88	86		90	87	85		89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	82		87	84	82		86	83	81	80
7	94	87	83	80	93	87	83	80	86	82	79		85	81	79		84	81	79	78
8	91	84	80	77	90	84	80	77	83	79	77		82	79	76		81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74		80	76	74		79	76	74	73
10	86	79	75	72	85	79	75	72	78	74	72		77	74	72		77	74	71	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	306467
5°	300219
10°	279309
15°	204768
20°	104846
25°	37793
30°	14711
35°	5140
40°	2118
45°	589
50°	512
55°	573
60°	482
65°	363
70°	449
75°	593
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	27.1
10°-20°	238.6	50.8
20°-30°	84.5	18.0
30°-40°	14.8	3.1
40°-50°	2.2	0.5
50°-60°	1.2	0.3
60°-70°	0.8	0.2
70°-80°	0.6	0.1
80°-90°	0.2	0.0
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°	450.2	95.8
0°-40°	465.0	98.9
0°-60°	468.4	99.7
0°-90°	470.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	470.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1398	
5°	1364	127
15°	902	239
25°	156	84
35°	19	15
45°	2	2
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1397.6
1°	1397.2
2°	1392.8
3°	1384.3
4°	1376.5
5°	1363.9
6°	1351.0
7°	1336.5
8°	1318.8
9°	1291.0
10°	1254.4
11°	1203.7
12°	1142.6
13°	1070.1
14°	990.1
15°	902.0
17.5°	671.8
20°	449.3
22.5°	270.9
25°	156.2
27.5°	93.3
30°	58.1
32.5°	33.7
35°	19.2
37.5°	12.2
40°	7.4
42.5°	3.7
45°	1.9
47.5°	1.5
50°	1.5
52.5°	1.5
55°	1.5
57.5°	1.1
60°	1.1
62.5°	1.1
65°	0.7
67.5°	0.7
70°	0.7
72.5°	0.7
75°	0.7
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)