

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: P1248381

Luminaire Tested: P3AS05R159027DE010 E3DL1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248381
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: P3AS05R159027DE010 E3DL1H
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

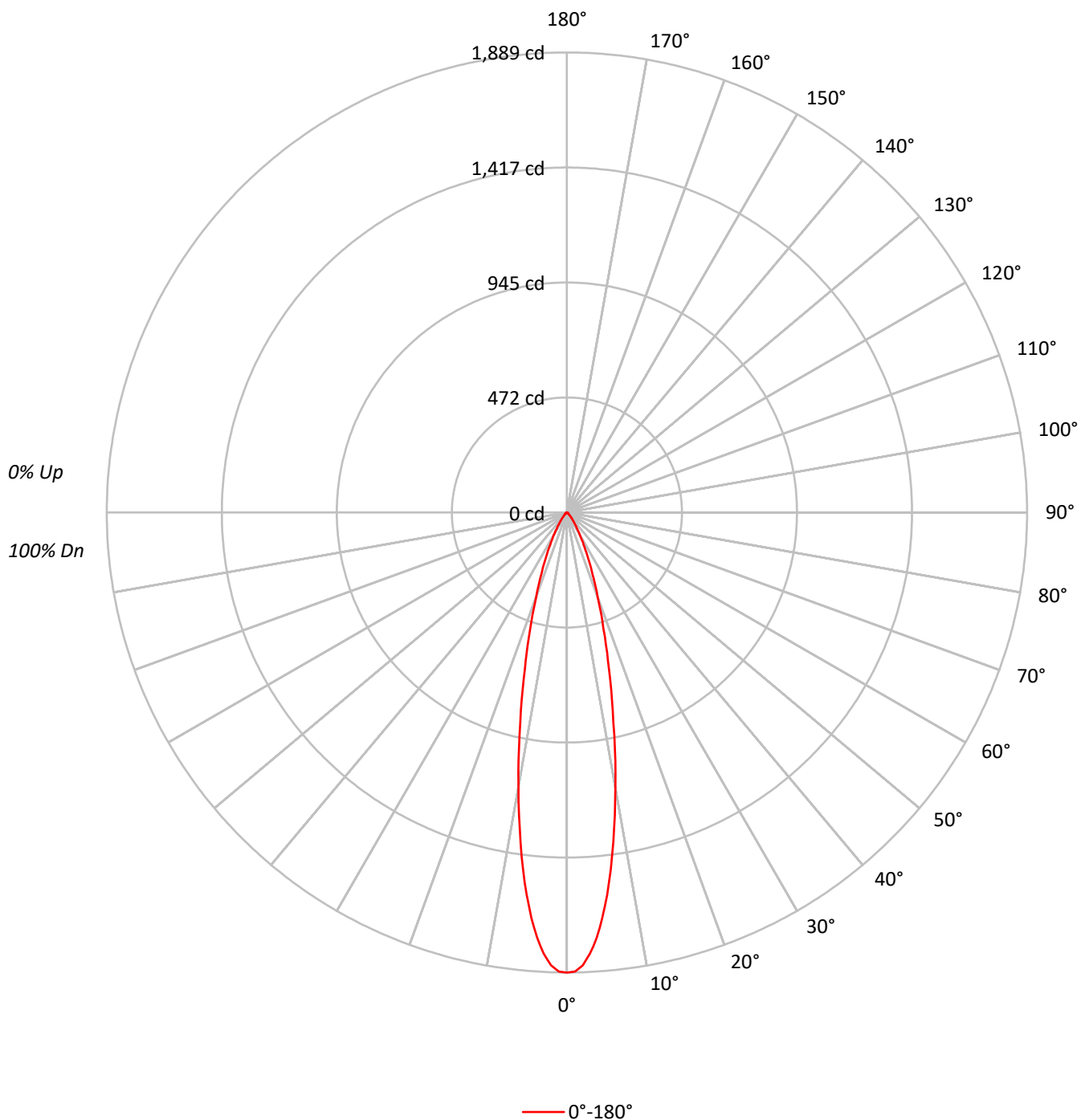
Lumens per Lamp: N/A
Luminaire Lumens: 485.0 lumens
Efficiency: N/A
Efficacy: 67.4 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	86	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°	414309
5°	367774
10°	255395
15°	151034
20°	86014
25°	49164
30°	27219
35°	14509
40°	8015
45°	4342
50°	2695
55°	2141
60°	1842
65°	1712
70°	1475
75°	1610
80°	1137
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4342 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	29.3
10°-20°	187.5	38.7
20°-30°	96.5	19.9
30°-40°	36.3	7.5
40°-50°	11.9	2.4
50°-60°	5.1	1.1
60°-70°	3.2	0.7
70°-80°	1.9	0.4
80°-90°	0.5	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°	426.1	87.9
0°-40°	462.4	95.3
0°-60°	479.3	98.8
0°-90°	485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	485.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1889	
5°	1671	142
15°	665	188
25°	203	97
35°	54	36
45°	14	12
55°	6	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1889.4
1°	1885.7
2°	1860.9
3°	1813.7
4°	1751.6
5°	1670.8
6°	1579.2
7°	1478.8
8°	1367.1
9°	1256.8
10°	1147.0
12.5°	882.6
15°	665.3
17.5°	498.1
20°	368.6
22.5°	275.2
25°	203.2
27.5°	148.1
30°	107.5
32.5°	76.2
35°	54.2
37.5°	38.8
40°	28.0
42.5°	20.1
45°	14.0
47.5°	10.3
50°	7.9
52.5°	6.5
55°	5.6
57.5°	4.7
60°	4.2
62.5°	3.7
65°	3.3
67.5°	2.8
70°	2.3
72.5°	2.3
75°	1.9
77.5°	1.4
80°	0.9
82.5°	0.9
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)