

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: P1251296

Luminaire Tested: P3AS05R509030DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1251296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509030DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

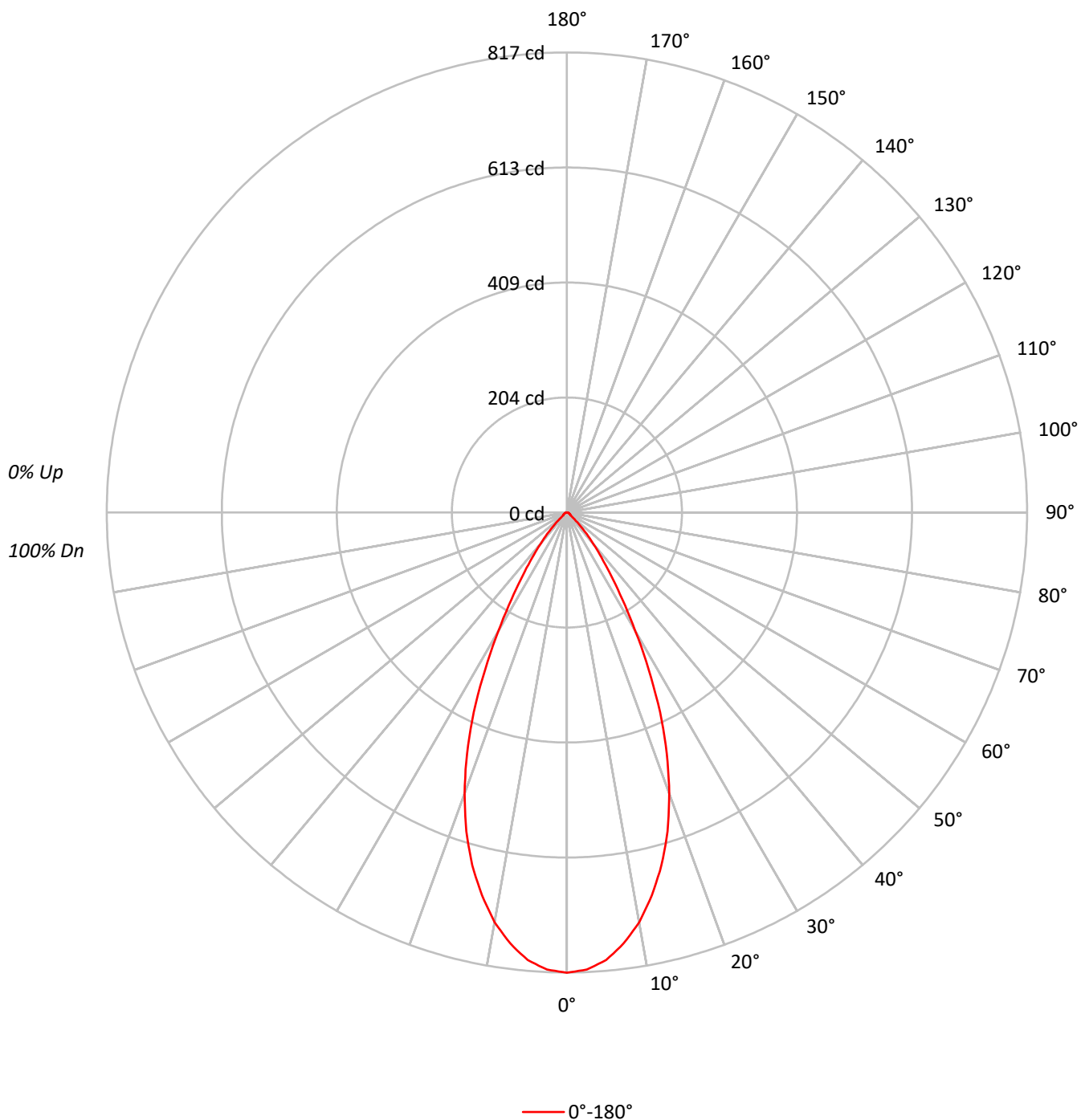
Lumens per Lamp: N/A
Luminaire Lumens: 563.0 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.75
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					30					10					0
RW	70	50	30	10		70	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
1	114	111	108	106		111	109	106	104		105	103	101		101	99	98		97	96	95
2	108	103	99	96		106	102	98	95		98	95	93		95	93	91		93	91	89
3	103	97	92	88		101	95	91	87		93	89	86		90	87	84		88	85	83
4	98	91	85	81		96	90	85	81		87	83	80		85	82	79		84	80	78
5	93	85	80	75		92	84	79	75		83	78	74		81	77	74		79	76	73
6	89	80	75	71		88	80	74	70		78	73	70		77	73	69		75	72	69
7	85	76	70	66		84	75	70	66		74	69	66		73	69	65		72	68	65
8	81	72	66	62		80	71	66	62		70	65	62		69	65	62		68	64	61
9	78	68	63	59		76	68	62	59		67	62	59		66	62	58		65	61	58
10	74	65	59	56		73	65	59	56		64	59	55		63	58	55		62	58	55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179240
5°	175632
10°	164526
15°	147265
20°	123934
25°	94602
30°	61478
35°	36460
40°	21068
45°	10544
50°	3923
55°	3058
60°	2851
65°	2594
70°	2565
75°	2542
80°	2526
85°	2516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10544 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	13.2
10°-20°	179.4	31.9
20°-30°	176.0	31.3
30°-40°	88.7	15.8
40°-50°	28.0	5.0
50°-60°	7.3	1.3
60°-70°	5.1	0.9
70°-80°	3.2	0.6
80°-90°	1.1	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°	429.7	76.3
0°-40°	518.3	92.1
0°-60°	553.6	98.3
0°-90°	563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	563.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	817	
5°	798	74
15°	649	179
25°	391	176
35°	136	89
45°	34	28
55°	8	7
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	817.4
2.5°	812.4
5°	797.9
7.5°	771.9
10°	738.9
12.5°	696.3
15°	648.7
17.5°	593.7
20°	531.1
22.5°	463.5
25°	391.0
27.5°	313.9
30°	242.8
32.5°	182.7
35°	136.2
37.5°	100.6
40°	73.6
42.5°	52.1
45°	34.0
47.5°	19.5
50°	11.5
52.5°	8.5
55°	8.0
57.5°	7.0
60°	6.5
62.5°	6.0
65°	5.0
67.5°	4.5
70°	4.0
72.5°	3.5
75°	3.0
77.5°	2.5
80°	2.0
82.5°	1.5
85°	1.0
87.5°	0.5
90°	0.0

(END OF REPORT)