

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: P1248575

Luminaire Tested: P3AS05R509027DE010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1248575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R509027DE010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

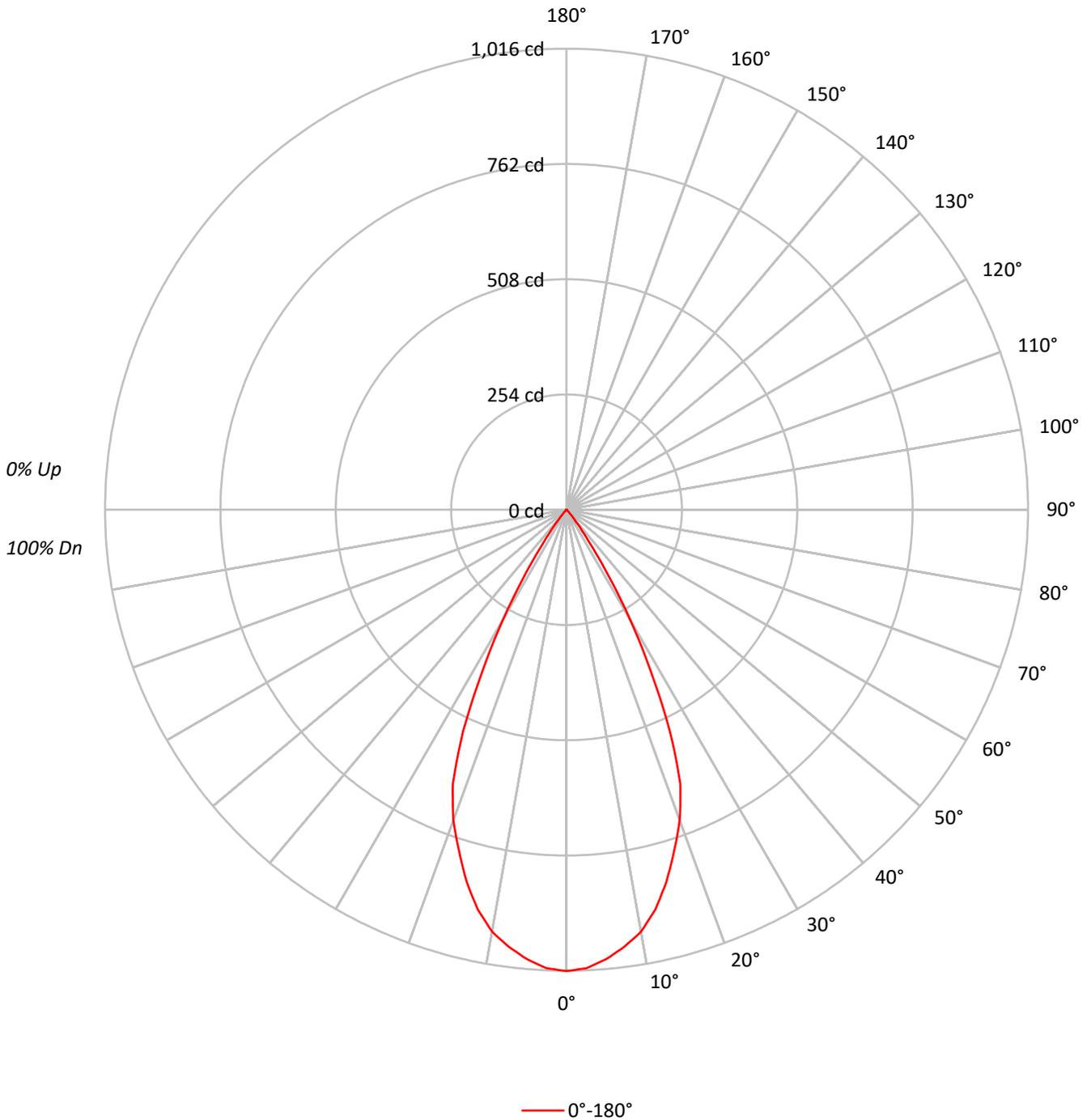
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 640.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.76
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95	95	95	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90	90	90	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	85	85
4	100	94	89	85	99	92	88	85	90	87	84	88	85	83	87	84	82	80	80	80	80
5	96	89	84	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65	65	65	65
9	81	73	68	64	80	72	67	64	71	67	64	71	66	63	70	66	63	62	62	62	62
10	78	69	64	61	77	69	64	61	68	64	61	68	63	61	67	63	60	59	59	59	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	222899
5°	218908
10°	210194
15°	192737
20°	169951
25°	130266
30°	70821
35°	22781
40°	5353
45°	713
50°	648
55°	726
60°	614
65°	726
70°	577
75°	763
80°	631
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 85°
 Luminance: 1258 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.3	14.6
10°-20°	236.0	36.9
20°-30°	236.4	36.9
30°-40°	66.4	10.4
40°-50°	4.0	0.6
50°-60°	1.5	0.2
60°-70°	1.2	0.2
70°-80°	0.8	0.1
80°-90°	0.3	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°	565.7	88.4
0°-40°	632.1	98.8
0°-60°	637.7	99.6
0°-90°	640.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	640.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1016	
5°	994	93
15°	849	236
25°	538	236
35°	85	66
45°	2	4
55°	2	2
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1016.5
2.5°	1011.3
5°	994.5
7.5°	971.6
10°	944.0
12.5°	902.3
15°	849.0
17.5°	787.7
20°	728.3
22.5°	654.4
25°	538.4
27.5°	400.9
30°	279.7
32.5°	168.9
35°	85.1
37.5°	40.2
40°	18.7
42.5°	7.0
45°	2.3
47.5°	1.9
50°	1.9
52.5°	1.9
55°	1.9
57.5°	1.4
60°	1.4
62.5°	1.4
65°	1.4
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)