

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: P1256728

Luminaire Tested: P3AS05R559040DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R559040DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

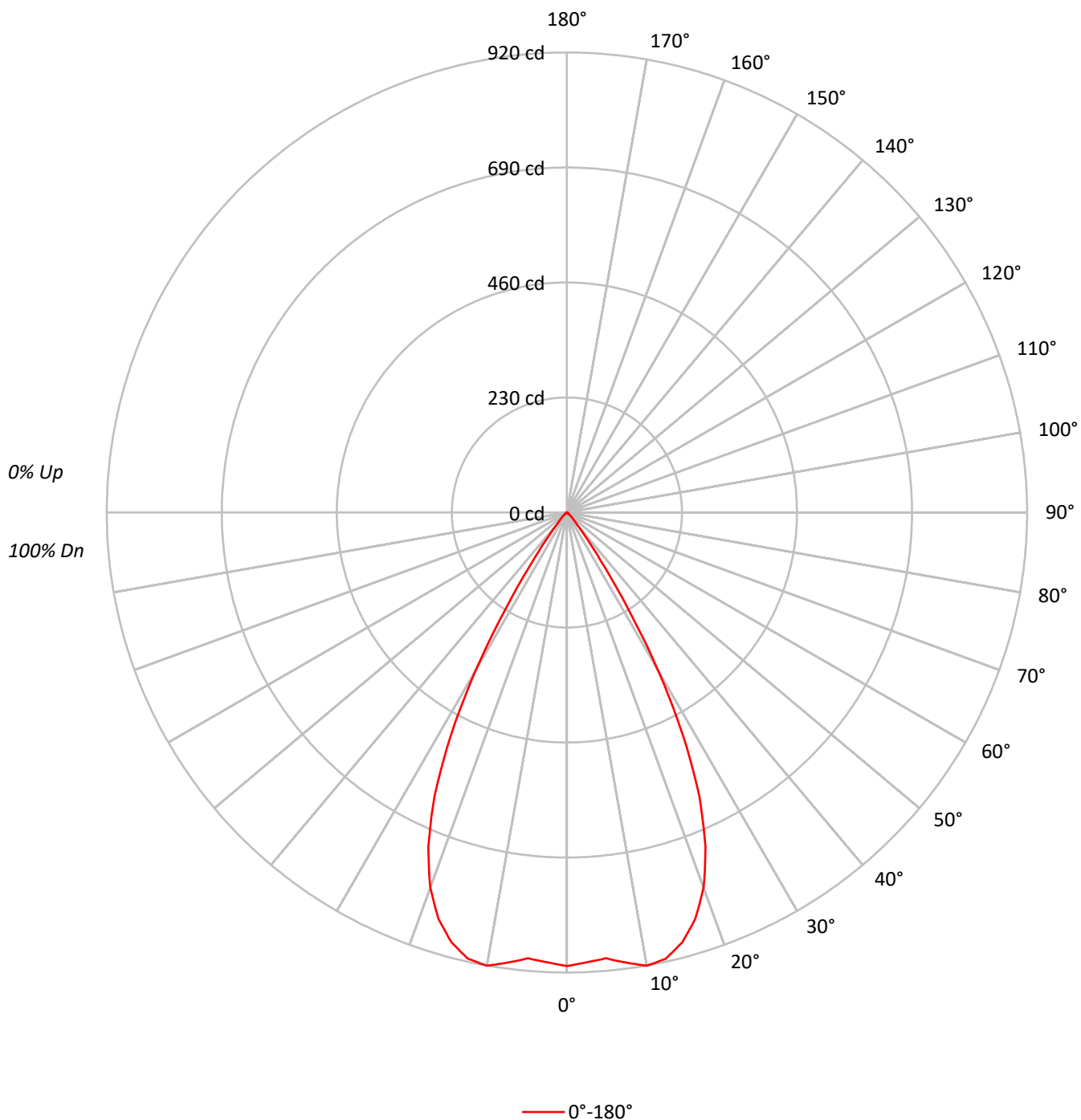
Lumens per Lamp: N/A
Luminaire Lumens: 717.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	111	109	107		112	109	107	105		105	104	102		101	100	99		98	97	96
2	109	104	101	98		107	103	99	96		100	97	94		97	94	92		94	92	90
3	104	98	94	90		102	97	93	89		94	91	88		92	89	86		90	87	85
4	99	92	87	84		98	91	87	83		89	85	82		87	84	81		85	83	80
5	95	87	82	78		93	86	81	78		85	80	77		83	79	76		82	78	76
6	91	83	77	73		89	82	77	73		80	76	72		79	75	72		78	74	72
7	87	78	73	69		85	78	72	69		76	72	68		75	71	68		74	70	68
8	83	74	69	65		82	74	68	65		73	68	65		72	67	64		71	67	64
9	79	71	65	61		78	70	65	61		69	64	61		68	64	61		68	64	61
10	76	67	62	58		75	67	62	58		66	61	58		65	61	58		65	61	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	198866
5°	197006
10°	204939
15°	202090
20°	186356
25°	151630
30°	92090
35°	31882
40°	9103
45°	4342
50°	1842
55°	841
60°	965
65°	830
70°	705
75°	932
80°	631
85°	0

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°	86.5	12.1
10°-20°	247.4	34.5
20°-30°	275.8	38.5
30°-40°	90.2	12.6
40°-50°	11.9	1.7
50°-60°	2.5	0.4
60°-70°	1.5	0.2
70°-80°	0.9	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°	609.8	85.0
0°-40°	700.0	97.6
0°-60°	714.4	99.6
0°-90°	717.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	717.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	907	
5°	895	87
15°	890	247
25°	627	276
35°	119	90
45°	14	12
55°	2	3
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	906.9
2.5°	900.4
5°	895.0
7.5°	908.0
10°	920.4
12.5°	913.9
15°	890.2
17.5°	852.5
20°	798.6
22.5°	724.2
25°	626.7
27.5°	502.8
30°	363.7
32.5°	223.1
35°	119.1
37.5°	60.4
40°	31.8
42.5°	20.5
45°	14.0
47.5°	9.7
50°	5.4
52.5°	3.2
55°	2.2
57.5°	2.2
60°	2.2
62.5°	1.6
65°	1.6
67.5°	1.1
70°	1.1
72.5°	1.1
75°	1.1
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)