

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: P1269166

Luminaire Tested: P3AS05R559740DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269166
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: P3AS05R559740DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

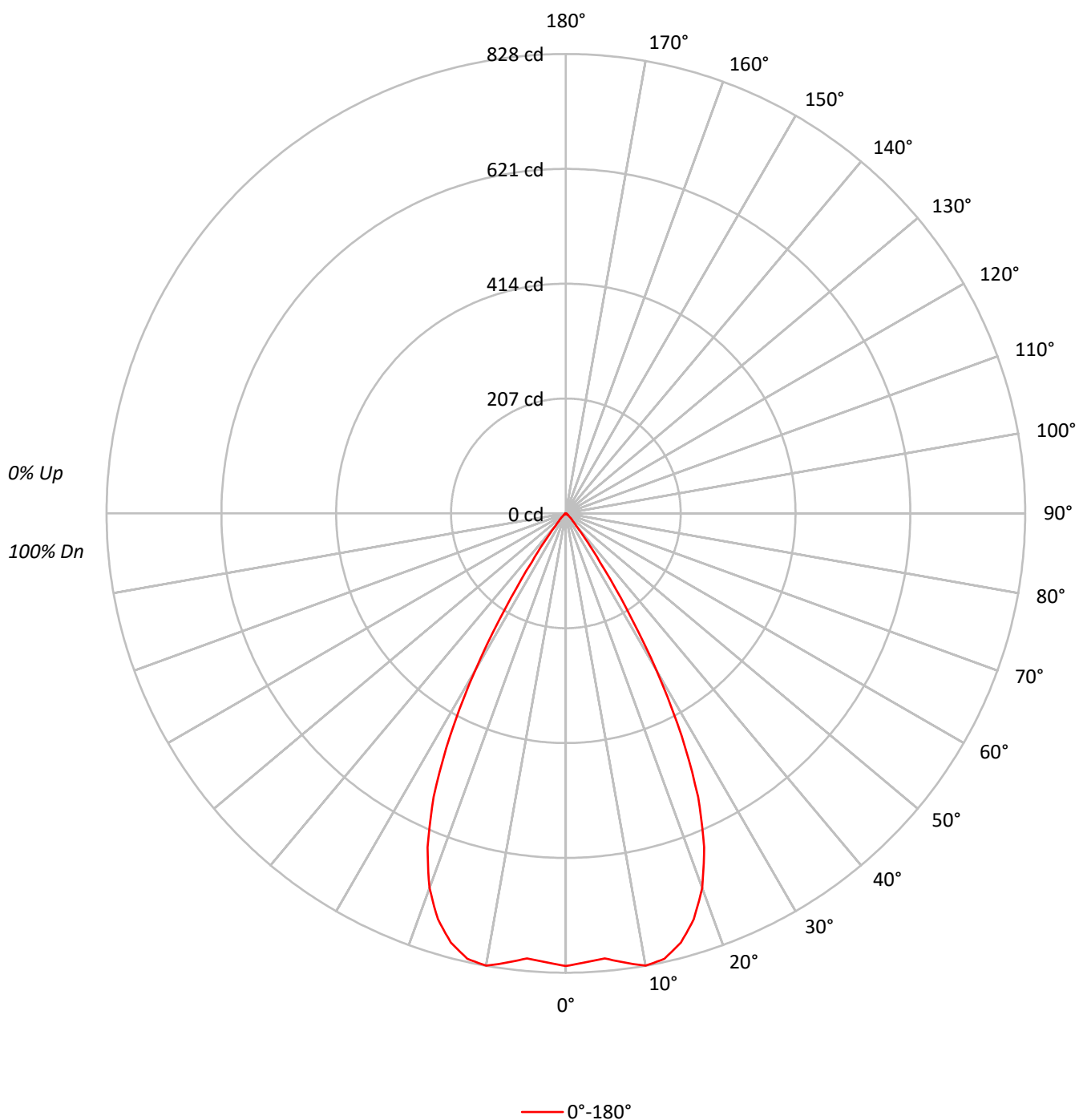
Lumens per Lamp: N/A
Luminaire Lumens: 645.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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					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	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°	178889
5°	177239
10°	184343
15°	181794
20°	167641
25°	136411
30°	82848
35°	28670
40°	8187
45°	3907
50°	1637
55°	726
60°	833
65°	778
70°	641
75°	847
80°	631
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3907 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	12.1
10°-20°	222.6	34.5
20°-30°	248.1	38.5
30°-40°	81.2	12.6
40°-50°	10.7	1.7
50°-60°	2.2	0.3
60°-70°	1.3	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°	548.5	85.0
0°-40°	629.7	97.6
0°-60°	642.6	99.6
0°-90°	645.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	645.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	816	
5°	805	78
15°	801	223
25°	564	248
35°	107	81
45°	13	11
55°	2	2
65°	2	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	815.8
2.5°	810.0
5°	805.2
7.5°	816.8
10°	827.9
12.5°	822.1
15°	800.8
17.5°	766.9
20°	718.4
22.5°	651.5
25°	563.8
27.5°	452.3
30°	327.2
32.5°	200.7
35°	107.1
37.5°	54.3
40°	28.6
42.5°	18.4
45°	12.6
47.5°	8.7
50°	4.8
52.5°	2.9
55°	1.9
57.5°	1.9
60°	1.9
62.5°	1.5
65°	1.5
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
77.5°	0.5
80°	0.5
82.5°	0.5
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)