

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: P1263539

Luminaire Tested: P3A20R559727D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263539
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: P3A20R559727D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

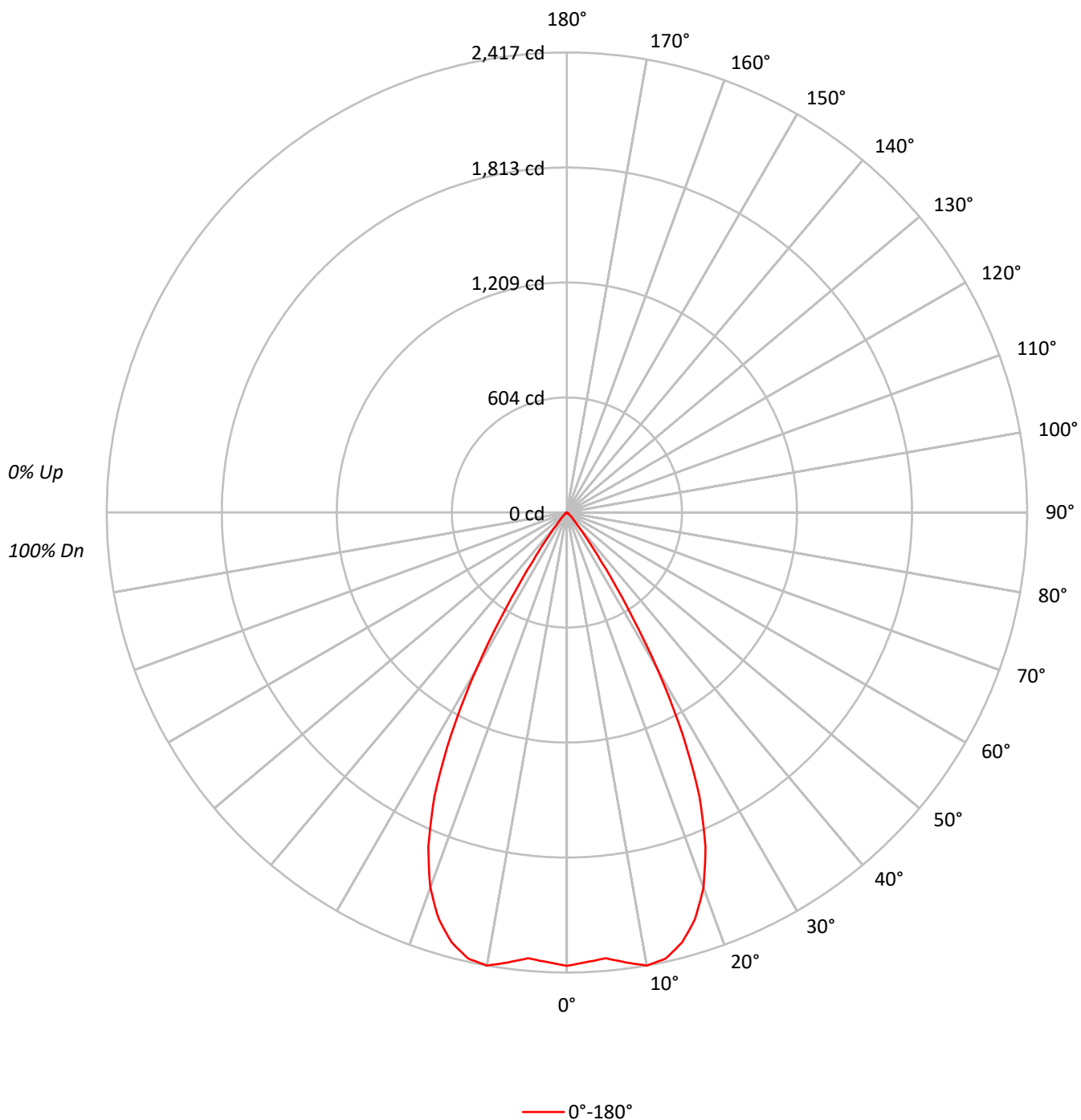
Lumens per Lamp: N/A
Luminaire Lumens: 1883.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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			0
RW	70	50	30	10	70	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
1	114	111	109	107	112	109	107	105	105	104	102		101	100	99		98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90	87	85	84
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		86	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78	74	72	70
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	69	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	522261
5°	517410
10°	538200
15°	530718
20°	489389
25°	398200
30°	241860
35°	83707
40°	23902
45°	11412
50°	4844
55°	2179
60°	2500
65°	2179
70°	1795
75°	2372
80°	1768
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11412 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.2	12.1
10°-20°	649.7	34.5
20°-30°	724.4	38.5
30°-40°	237.0	12.6
40°-50°	31.3	1.7
50°-60°	6.6	0.4
60°-70°	3.8	0.2
70°-80°	2.4	0.1
80°-90°	0.6	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°	1601.3	85.0
0°-40°	1838.3	97.6
0°-60°	1876.2	99.6
0°-90°	1883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1883.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2382	
5°	2351	227
15°	2338	650
25°	1646	724
35°	313	237
45°	37	31
55°	6	7
65°	4	4
75°	3	2
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2381.7
2.5°	2364.7
5°	2350.6
7.5°	2384.5
10°	2417.1
12.5°	2400.1
15°	2337.8
17.5°	2238.8
20°	2097.2
22.5°	1902.0
25°	1645.8
27.5°	1320.3
30°	955.2
32.5°	585.9
35°	312.7
37.5°	158.5
40°	83.5
42.5°	53.8
45°	36.8
47.5°	25.5
50°	14.2
52.5°	8.5
55°	5.7
57.5°	5.7
60°	5.7
62.5°	4.2
65°	4.2
67.5°	2.8
70°	2.8
72.5°	2.8
75°	2.8
77.5°	1.4
80°	1.4
82.5°	1.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)