

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: P1282727

Luminaire Tested: P3AS09R20B2750DE010 E3CD1MW_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R20B2750DE010 E3CD1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

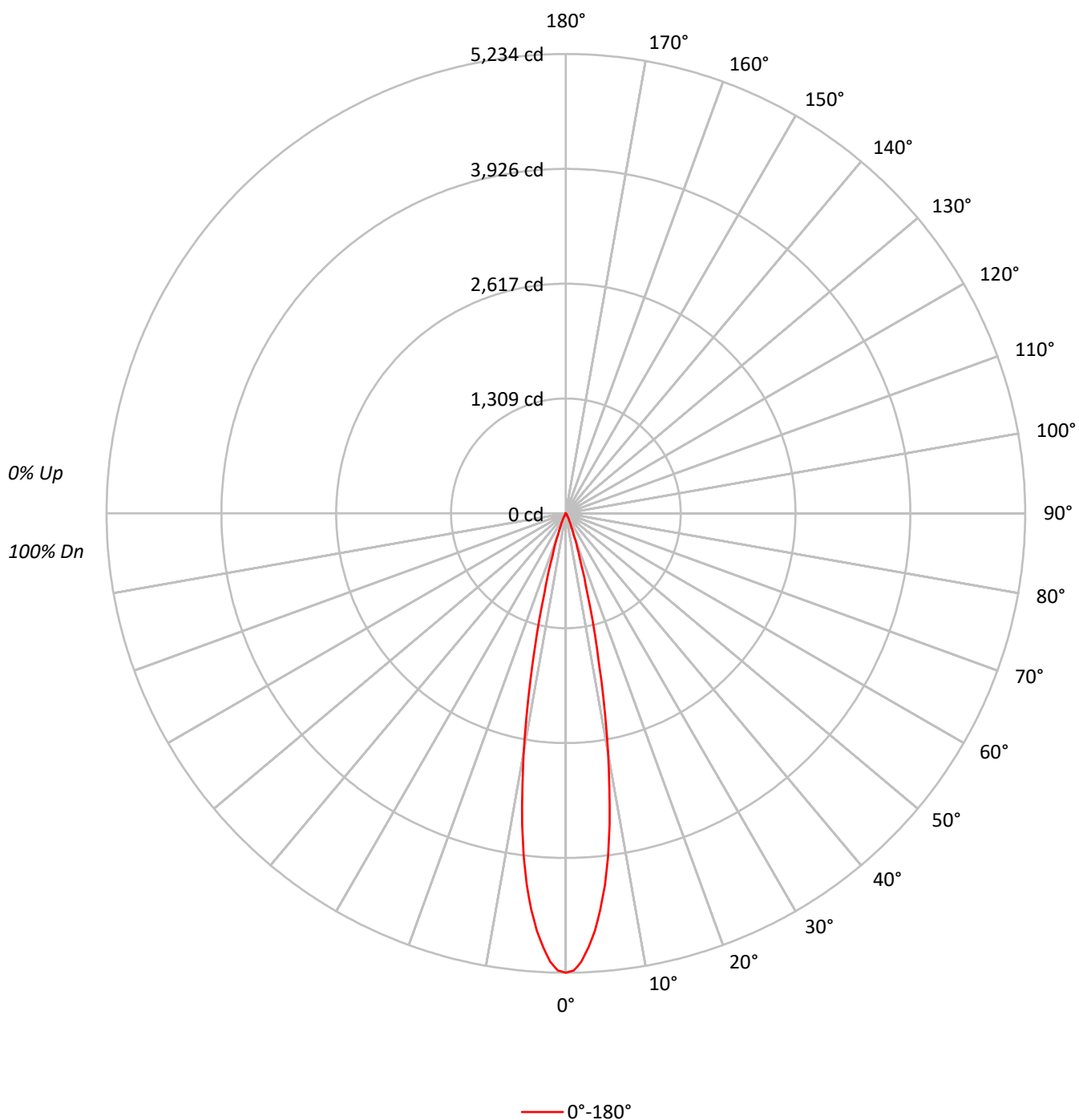
Lumens per Lamp: N/A
Luminaire Lumens: 739.1 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	102	102	102	102	102	102	102	102	102	102	102	100
1	116	114	112	110	113	112	110	109	108	106	105	104	103	102	101	100	99	99	98	97	97	96	95	95	94	93	93	92	91
2	112	109	106	104	110	108	105	103	104	103	101	102	100	99	99	98	97	97	96	95	95	94	93	93	92	91	91	90	89
3	109	105	102	100	108	104	101	99	102	99	97	99	98	96	97	96	95	95	94	93	93	92	91	91	90	89	88	87	86
4	107	102	99	96	105	101	98	96	99	97	94	97	95	93	96	94	92	92	91	90	90	89	88	87	86	85	84	83	82
5	104	99	96	93	103	98	95	93	97	94	92	95	93	91	94	92	91	91	90	89	88	87	86	85	84	83	82	81	80
6	102	97	93	91	101	96	93	90	95	92	90	94	91	89	93	90	89	89	88	87	86	85	84	83	82	81	80	79	78
7	100	94	91	88	99	94	91	88	93	90	88	92	89	87	91	89	87	87	86	85	84	83	82	81	80	79	78	77	76
8	98	92	89	86	97	92	89	86	91	88	86	90	88	86	89	87	85	85	84	83	82	81	80	79	78	77	76	75	74
9	96	90	87	85	95	90	87	85	89	86	84	88	86	84	87	85	83	83	82	81	80	79	78	77	76	75	74	73	72
10	94	89	85	83	93	88	85	83	88	85	83	87	84	83	86	84	82	82	81	80	79	78	77	76	75	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

0°	1147759
5°	996211
10°	615553
15°	213804
20°	65666
25°	23203
30°	8584
35°	3453
40°	1832
45°	713
50°	409
55°	459
60°	526
65°	311
70°	385
75°	508
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 713 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	375.6	50.8
10°-20°	298.0	40.3
20°-30°	51.6	7.0
30°-40°	9.4	1.3
40°-50°	2.1	0.3
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.6	0.1
80°-90°	0.0	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°	725.2	98.1
0°-40°	734.6	99.4
0°-60°	737.8	99.8
0°-90°	739.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5234	
5°	4526	376
15°	942	298
25°	96	52
35°	13	9
45°	2	2
55°	1	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	5234.2
1°	5209.0
2°	5109.6
3°	4949.9
4°	4762.7
5°	4525.8
6°	4254.4
7°	3938.5
8°	3578.7
9°	3174.5
10°	2764.5
12.5°	1743.7
15°	941.8
17.5°	503.1
20°	281.4
22.5°	160.9
25°	95.9
27.5°	58.5
30°	33.9
32.5°	19.9
35°	12.9
37.5°	8.8
40°	6.4
42.5°	4.1
45°	2.3
47.5°	1.2
50°	1.2
52.5°	1.2
55°	1.2
57.5°	1.2
60°	1.2
62.5°	0.6
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.6
75°	0.6
77.5°	0.6
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)