

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: P1284455

Luminaire Tested: P3AS13R20B2750DE010 E3CD1MW_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1284455
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: P3AS13R20B2750DE010 E3CD1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

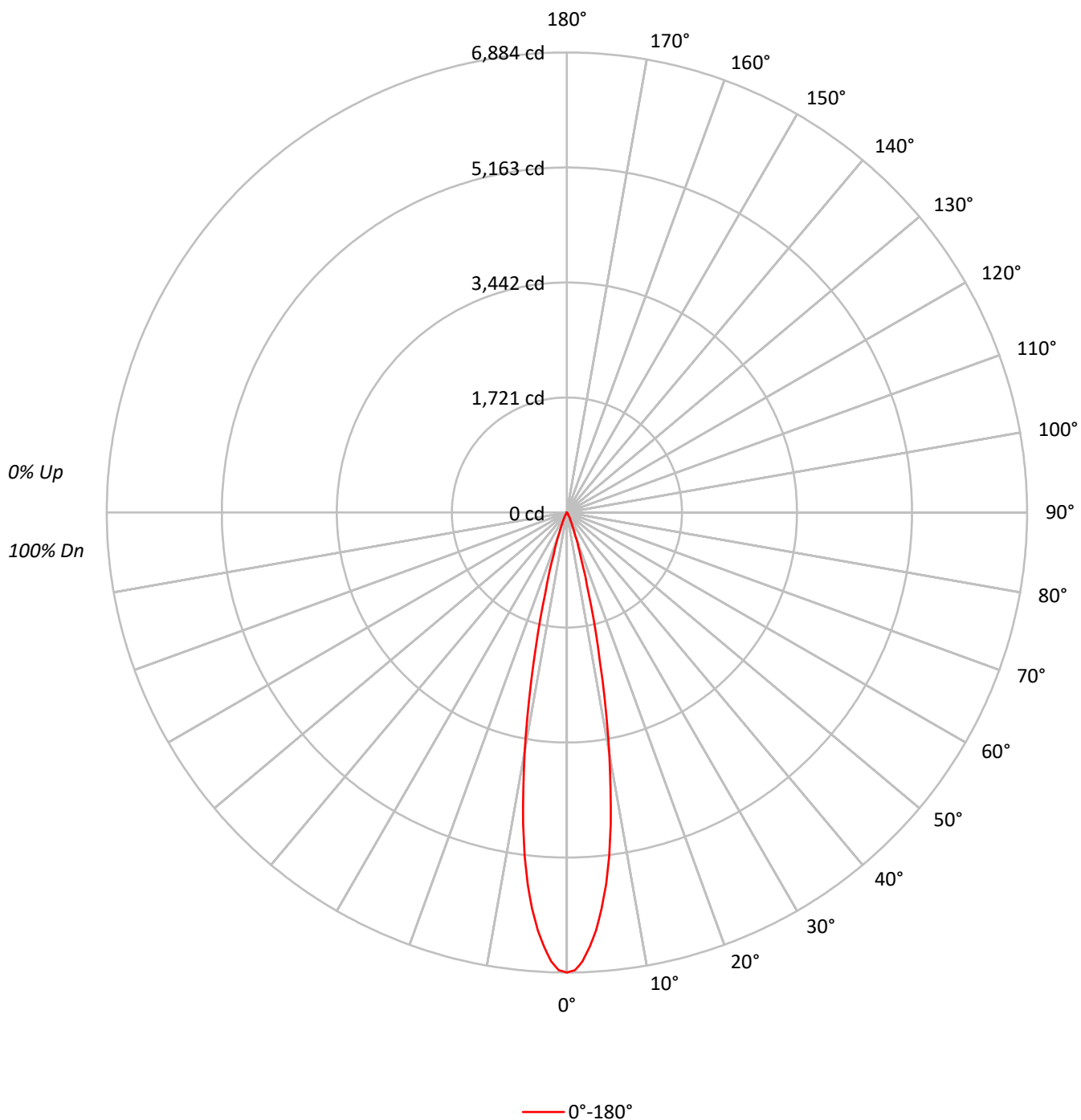
Lumens per Lamp: N/A
Luminaire Lumens: 972.0 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.1
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		0				50	30	10		0
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102		100				102	102	102		100
1	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101	100	99		98				101	100	99		98
2	112	109	107	104	110	108	105	103	104	103	101		102	100	99		99	98	97		95				99	98	97		95
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97	96	95		93				97	96	95		93
4	107	102	99	96	105	101	98	96	99	97	95		97	95	93		96	94	92		91				96	94	92		91
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94	92	91		90				94	92	91		90
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93	90	89		88				93	90	89		88
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91	89	87		86				91	89	87		86
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89	87	85		85				89	87	85		85
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88	86	84		83				88	86	84		83
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		86	84	82		82				86	84	82		82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1509616
5°	1310298
10°	809627
15°	281205
20°	86364
25°	30534
30°	11293
35°	4524
40°	2433
45°	961
50°	512
55°	573
60°	658
65°	415
70°	513
75°	678
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 961 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	494.0	50.8
10°-20°	392.0	40.3
20°-30°	67.9	7.0
30°-40°	12.3	1.3
40°-50°	2.8	0.3
50°-60°	1.3	0.1
60°-70°	0.9	0.1
70°-80°	0.7	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°	953.9	98.1
0°-40°	966.2	99.4
0°-60°	970.4	99.8
0°-90°	972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6884	
5°	5953	494
15°	1239	392
25°	126	68
35°	17	12
45°	3	3
55°	2	1
65°	1	1
75°	1	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6884.4
1°	6851.4
2°	6720.6
3°	6510.5
4°	6264.3
5°	5952.7
6°	5595.7
7°	5180.3
8°	4707.1
9°	4175.4
10°	3636.1
12.5°	2293.5
15°	1238.7
17.5°	661.7
20°	370.1
22.5°	211.6
25°	126.2
27.5°	76.9
30°	44.6
32.5°	26.2
35°	16.9
37.5°	11.5
40°	8.5
42.5°	5.4
45°	3.1
47.5°	1.5
50°	1.5
52.5°	1.5
55°	1.5
57.5°	1.5
60°	1.5
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.8
77.5°	0.8
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)