

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: P1284451

Luminaire Tested: P3AS13R20B2750DE010 E3CD1MMS_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1284451
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 E3CD1MMS_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3CD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

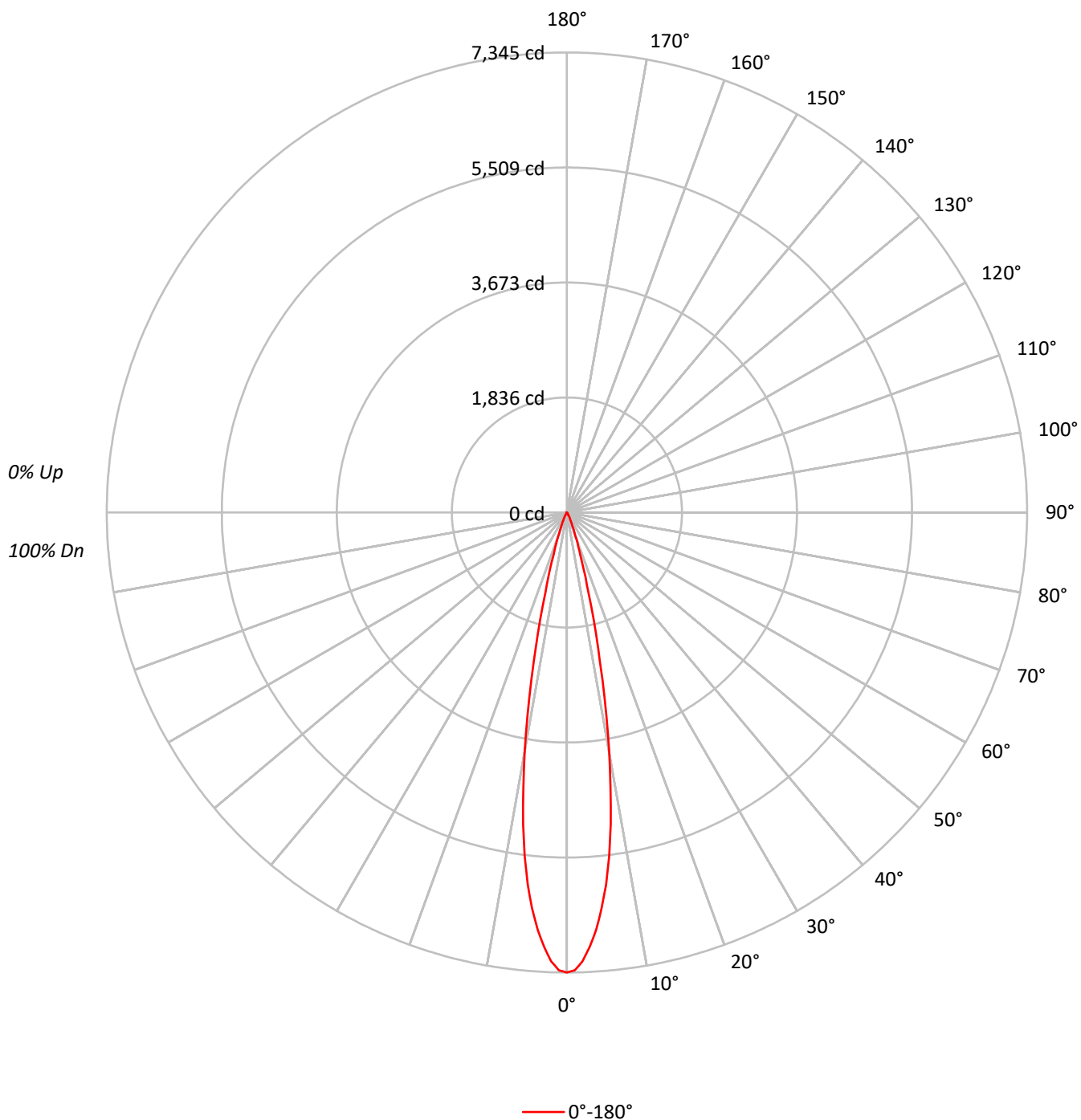
Lumens per Lamp: N/A
Luminaire Lumens: 1036.9 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1284451

CATALOG NUMBER: P3AS13R20B2750DE010 E3CD1MMS_5000K

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	116	114	112	110	113	112	110	109	108	106	105		104	103	102		101	100	99	98
2	112	109	107	104	110	108	105	103	104	103	101		102	100	99		99	98	97	95
3	109	105	102	100	108	104	101	99	102	99	97		99	98	96		97	96	95	93
4	107	102	99	96	105	101	98	96	99	97	95		97	95	93		96	94	92	91
5	104	99	96	93	103	98	95	93	97	94	92		95	93	91		94	92	91	90
6	102	97	93	91	101	96	93	90	95	92	90		94	91	89		93	90	89	88
7	100	94	91	88	99	94	91	88	93	90	88		92	89	87		91	89	87	86
8	98	92	89	86	97	92	89	86	91	88	86		90	88	86		89	87	85	85
9	96	90	87	85	95	90	87	85	89	86	84		89	86	84		88	86	84	83
10	94	89	85	83	93	88	85	83	88	85	83		87	84	83		87	84	82	82

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1610573
5°	1397927
10°	863778
15°	300002
20°	92128
25°	32566
30°	12052
35°	4845
40°	2576
45°	1023
50°	546
55°	612
60°	702
65°	415
70°	513
75°	678
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1023 cd/sqm

TEST NUMBER: P1284451

CATALOG NUMBER: P3AS13R20B2750DE010 E3CD1MMS_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	527.1	50.8
10°-20°	418.2	40.3
20°-30°	72.4	7.0
30°-40°	13.2	1.3
40°-50°	3.0	0.3
50°-60°	1.4	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°	1017.7	98.1
0°-40°	1030.8	99.4
0°-60°	1035.3	99.8
0°-90°	1036.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1036.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7345	
5°	6351	527
15°	1322	418
25°	135	72
35°	18	13
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°	7344.8
1°	7309.5
2°	7170.0
3°	6945.9
4°	6683.2
5°	6350.8
6°	5969.9
7°	5526.7
8°	5021.9
9°	4454.7
10°	3879.3
12.5°	2446.9
15°	1321.5
17.5°	705.9
20°	394.8
22.5°	225.7
25°	134.6
27.5°	82.1
30°	47.6
32.5°	27.9
35°	18.1
37.5°	12.3
40°	9.0
42.5°	5.7
45°	3.3
47.5°	1.6
50°	1.6
52.5°	1.6
55°	1.6
57.5°	1.6
60°	1.6
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)