

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: P1282780

Luminaire Tested: P3AS09R20B2750DE010 E3DL1WMH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R20B2750DE010 E3DL1WMH_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

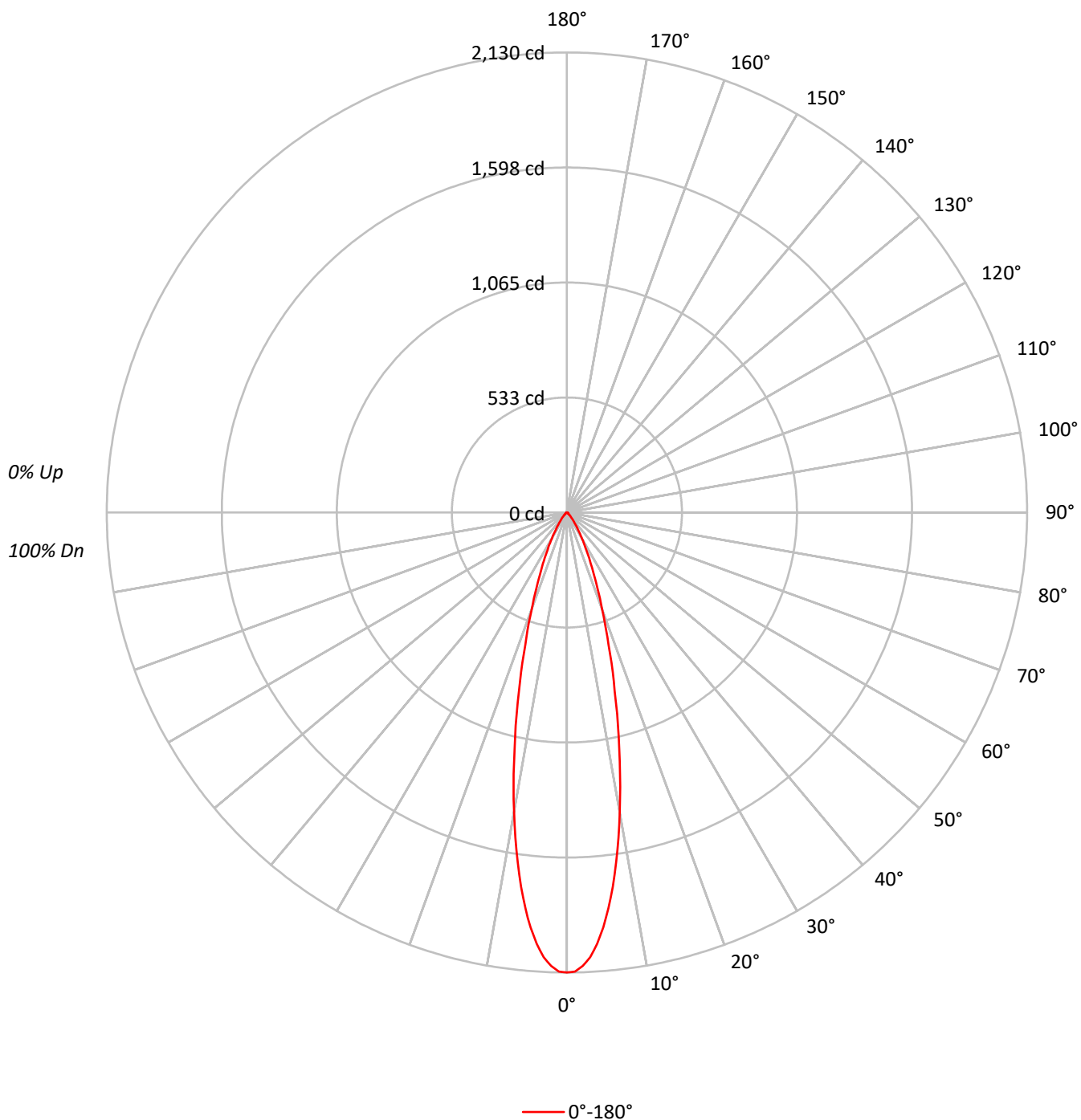
Lumens per Lamp: N/A
Luminaire Lumens: 607.0 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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							
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	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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95						
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91						
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87						
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83						
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79						
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76						
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73						
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71						
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68						
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	467024
5°	424520
10°	313755
15°	194099
20°	110843
25°	63270
30°	35474
35°	19301
40°	10563
45°	5830
50°	3411
55°	2485
60°	2324
65°	2127
70°	1859
75°	1949
80°	1515
85°	1510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5830 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	27.5
10°-20°	238.4	39.3
20°-30°	124.4	20.5
30°-40°	48.1	7.9
40°-50°	15.6	2.6
50°-60°	6.2	1.0
60°-70°	4.1	0.7
70°-80°	2.4	0.4
80°-90°	0.8	0.1
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°	529.9	87.3
0°-40°	578.0	95.2
0°-60°	599.8	98.8
0°-90°	607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2130	
5°	1929	167
15°	855	238
25°	262	124
35°	72	48
45°	19	16
55°	6	6
65°	4	4
75°	2	2
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2129.8
1°	2125.7
2°	2100.4
3°	2061.7
4°	2001.9
5°	1928.6
6°	1841.9
7°	1745.7
8°	1634.3
9°	1525.8
10°	1409.1
12.5°	1120.0
15°	855.0
17.5°	639.8
20°	475.0
22.5°	351.8
25°	261.5
27.5°	192.9
30°	140.1
32.5°	101.4
35°	72.1
37.5°	52.2
40°	36.9
42.5°	26.4
45°	18.8
47.5°	13.5
50°	10.0
52.5°	7.6
55°	6.5
57.5°	5.9
60°	5.3
62.5°	4.7
65°	4.1
67.5°	3.5
70°	2.9
72.5°	2.9
75°	2.3
77.5°	1.8
80°	1.2
82.5°	1.2
85°	0.6
87.5°	0.6
90°	0.0

(END OF REPORT)