

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: P1281028

Luminaire Tested: P3AS05R20B2750DE010 E3D1WMH_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R20B2750DE010 E3D1WMH_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

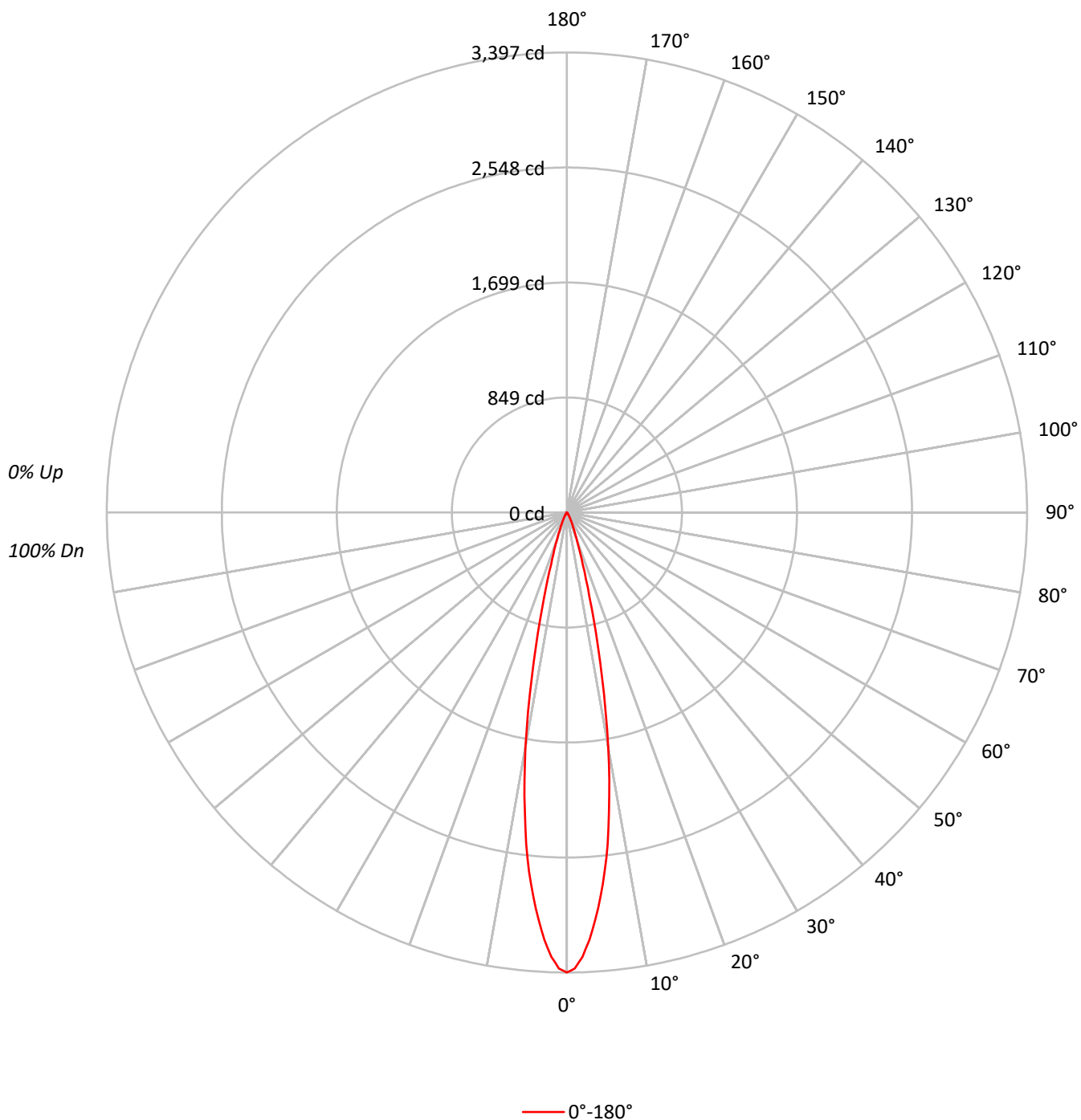
Lumens per Lamp: N/A
Luminaire Lumens: 491.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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					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	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97			
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95			
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93			
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91			
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89			
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87			
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85			
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83			
9	95	89	85	83	94	89	85	83	88	85	83	87	84	82	87	84	82	81			
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	744809
5°	627095
10°	391687
15°	146425
20°	50264
25°	20953
30°	9875
35°	4417
40°	2090
45°	1085
50°	409
55°	76
60°	88
65°	104
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.9	48.2
10°-20°	195.1	39.7
20°-30°	44.3	9.0
30°-40°	11.3	2.3
40°-50°	2.9	0.6
50°-60°	0.4	0.1
60°-70°	0.1	0.0
70°-80°	0.0	0.0
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°	476.4	97.0
0°-40°	487.7	99.3
0°-60°	490.9	100.0
0°-90°	491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	491.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3397	
5°	2849	237
15°	645	195
25°	87	44
35°	16	11
45°	4	3
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	3396.6
1°	3367.8
2°	3282.9
3°	3161.2
4°	3011.9
5°	2848.9
6°	2667.3
7°	2466.9
8°	2233.0
9°	2001.3
10°	1759.1
11°	1501.2
12°	1243.8
13°	1025.7
14°	817.2
15°	645.0
16°	509.1
17°	401.6
18°	322.7
19°	262.4
20°	215.4
21°	180.1
22°	150.3
23°	125.0
24°	104.2
25°	86.6
27.5°	56.6
30°	39.0
32.5°	24.0
35°	16.5
37.5°	10.6
40°	7.3
42.5°	5.0
45°	3.5
47.5°	2.3
50°	1.2
52.5°	0.6
55°	0.2
57.5°	0.2
60°	0.2
62.5°	0.2
65°	0.2
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	0°
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)