

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: P1284196

Luminaire Tested: P3AS09R70B2750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1284196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R70B2750DE010 E3D1WMH_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 5000K CCT AND, 80CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

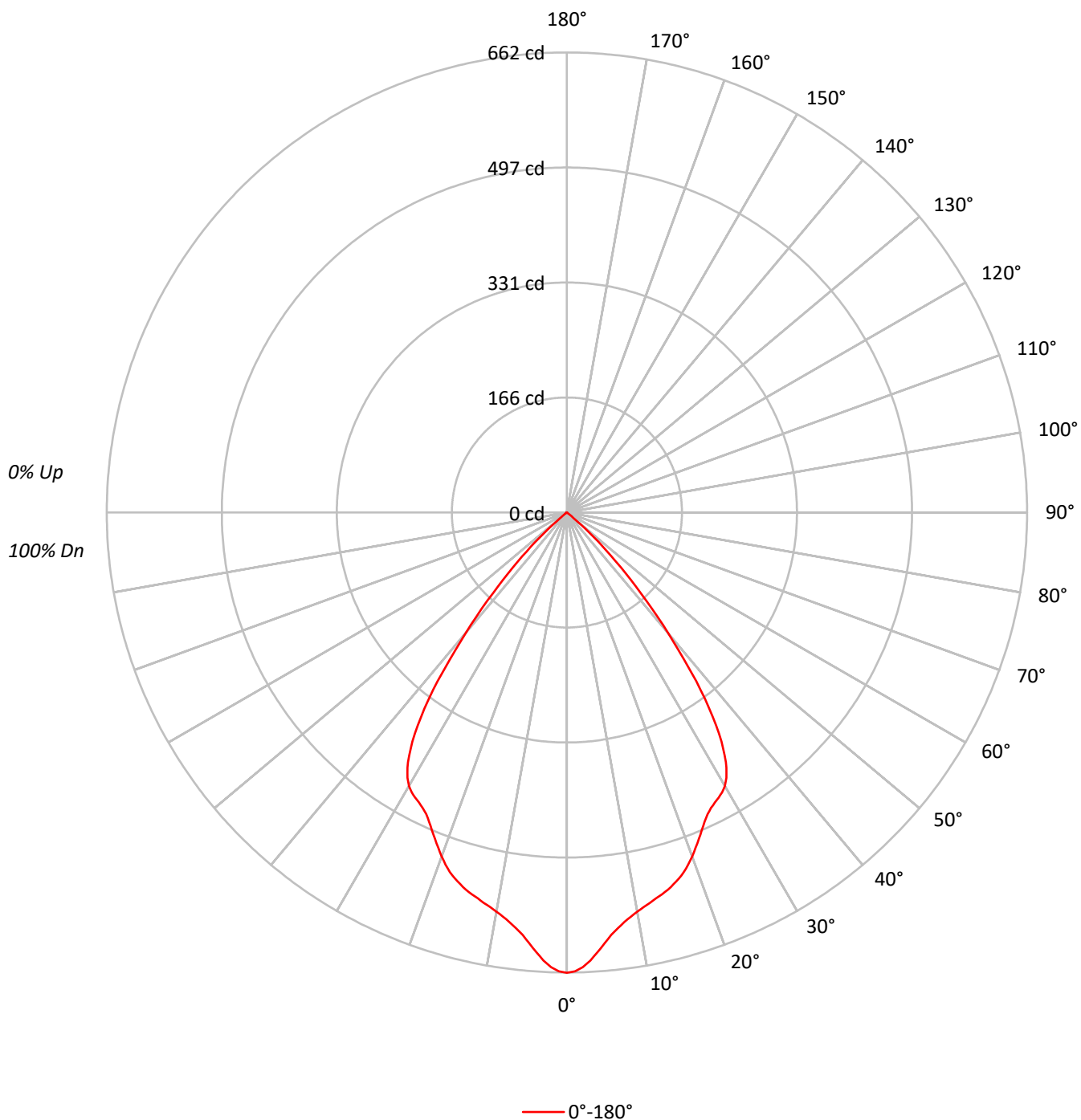
Lumens per Lamp: N/A
Luminaire Lumens: 747.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.06
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1284196

CATALOG NUMBER: P3AS09R70B2750DE010 E3D1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1284196

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	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	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85		
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	86	83	80	79		
4	95	87	81	77	94	86	81	77	84	79	76	82	78	75	80	77	74	72		
5	90	81	75	70	88	80	74	70	78	73	69	77	72	69	75	71	68	66		
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61		
7	80	70	64	59	79	70	63	59	68	63	59	67	62	58	66	61	58	57		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	50	59	54	50	58	53	50	49		
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145252
5°	136958
10°	129857
15°	127538
20°	122931
25°	115870
30°	115056
35°	100197
40°	64807
45°	30639
50°	4298
55°	344
60°	263
65°	311
70°	192
75°	254
80°	379
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30639 cd/sqm

TEST NUMBER: P1284196

CATALOG NUMBER: P3AS09R70B2750DE010 E3D1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	7.8
10°-20°	157.8	21.1
20°-30°	223.2	29.9
30°-40°	224.3	30.0
40°-50°	80.7	10.8
50°-60°	2.2	0.3
60°-70°	0.5	0.1
70°-80°	0.3	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°	439.0	58.8
0°-40°	663.3	88.8
0°-60°	746.1	99.9
0°-90°	747.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	747.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	662	
5°	622	58
15°	562	158
25°	479	223
35°	374	224
45°	99	81
55°	1	2
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1284196

CATALOG NUMBER: P3AS09R70B2750DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	662.4
1°	660.5
2°	654.7
3°	645.5
4°	633.9
5°	622.2
6°	611.2
7°	602.6
8°	594.9
9°	588.8
10°	583.2
11°	578.6
12°	574.3
13°	570.0
14°	566.1
15°	561.8
16°	556.5
17°	551.0
18°	544.3
19°	536.0
20°	526.8
21°	516.7
22°	506.5
23°	496.7
24°	487.2
25°	478.9
26°	473.1
27°	468.5
28°	464.8
29°	460.5
30°	454.4
31°	445.5
32°	432.9
32.5°	425.8
33°	416.3
34°	397.6
35°	374.3
36°	348.5
37°	319.4
37.5°	305.9
38°	287.5
39°	254.6
40°	226.4
42.5°	156.8
45°	98.8



TEST NUMBER: P1284196

CATALOG NUMBER: P3AS09R70B2750DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (continued):

	0°
47.5°	53.1
50°	12.6
52.5°	1.5
55°	0.9
57.5°	0.9
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.3
80°	0.3
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)