

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: P1282825

Luminaire Tested: P3AS09R20B2750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R20B2750DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

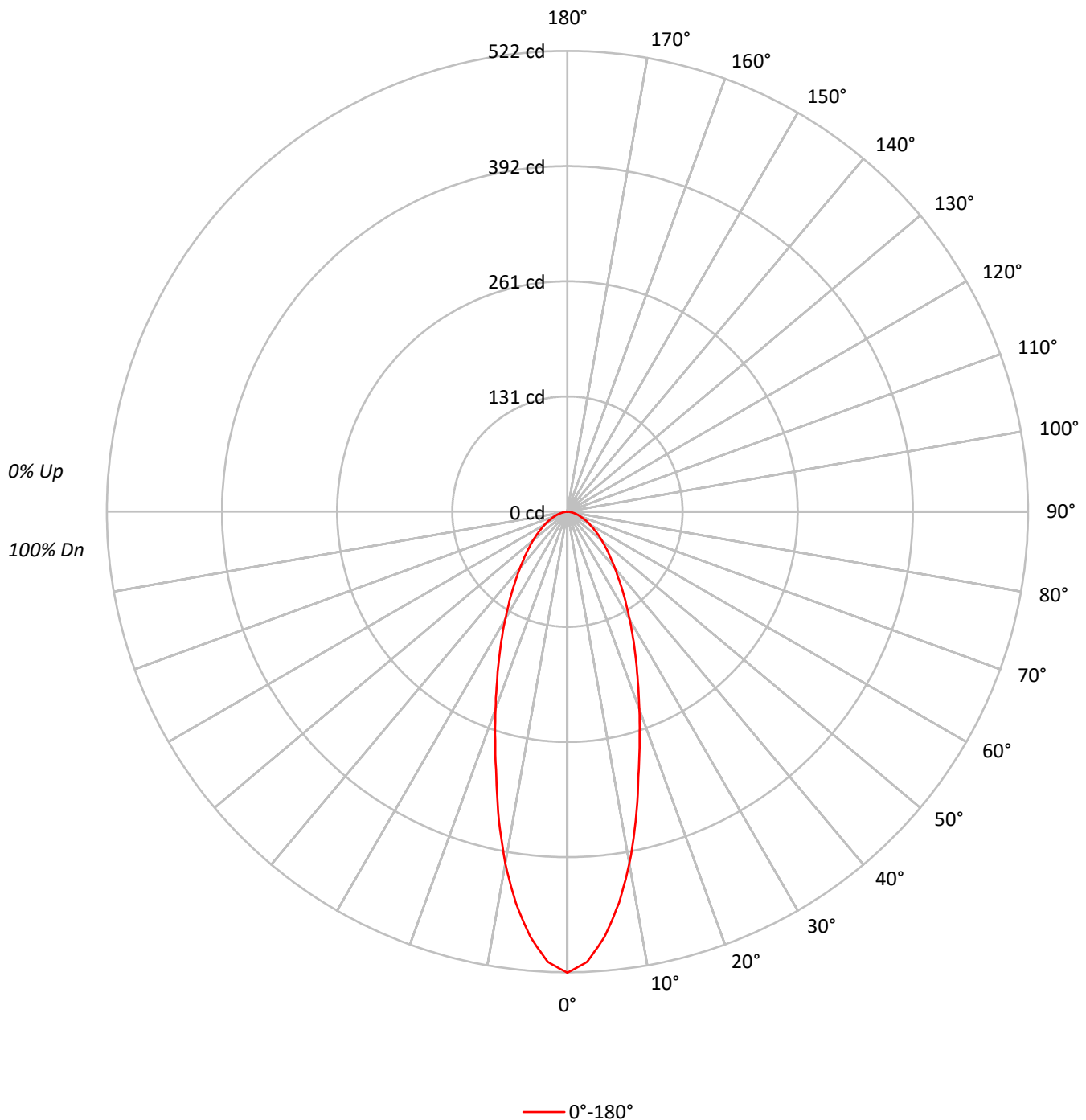
Lumens per Lamp: N/A
Luminaire Lumens: 404.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90						
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80						
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72						
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66						
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60						
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55						
7	76	66	59	54	75	65	58	53	64	58	53	62	57	53	61	56	53	51						
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47						
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44						
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114574
5°	106427
10°	90134
15°	70557
20°	55538
25°	44253
30°	35600
35°	29018
40°	23988
45°	20219
50°	17330
55°	14910
60°	12981
65°	11415
70°	9745
75°	8642
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	10.8
10°-20°	87.0	21.5
20°-30°	84.5	20.9
30°-40°	68.2	16.9
40°-50°	50.7	12.6
50°-60°	35.3	8.7
60°-70°	22.1	5.5
70°-80°	10.7	2.7
80°-90°	1.8	0.5
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°	215.1	53.3
0°-40°	283.4	70.1
0°-60°	369.4	91.4
0°-90°	404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	522	
5°	484	44
15°	311	87
25°	183	84
35°	108	68
45°	65	51
55°	39	35
65°	22	22
75°	10	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	522.5
2.5°	510.6
5°	483.5
7.5°	447.1
10°	404.8
12.5°	358.2
15°	310.8
17.5°	271.8
20°	238.0
22.5°	208.3
25°	182.9
27.5°	160.9
30°	140.6
32.5°	123.6
35°	108.4
37.5°	94.8
40°	83.8
42.5°	73.7
45°	65.2
47.5°	57.6
50°	50.8
52.5°	44.9
55°	39.0
57.5°	33.9
60°	29.6
62.5°	26.3
65°	22.0
67.5°	18.6
70°	15.2
72.5°	12.7
75°	10.2
77.5°	7.6
80°	5.1
82.5°	2.5
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)