

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: P1282823

Luminaire Tested: P3AS09R20B2750DE010 E3PHLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282823
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

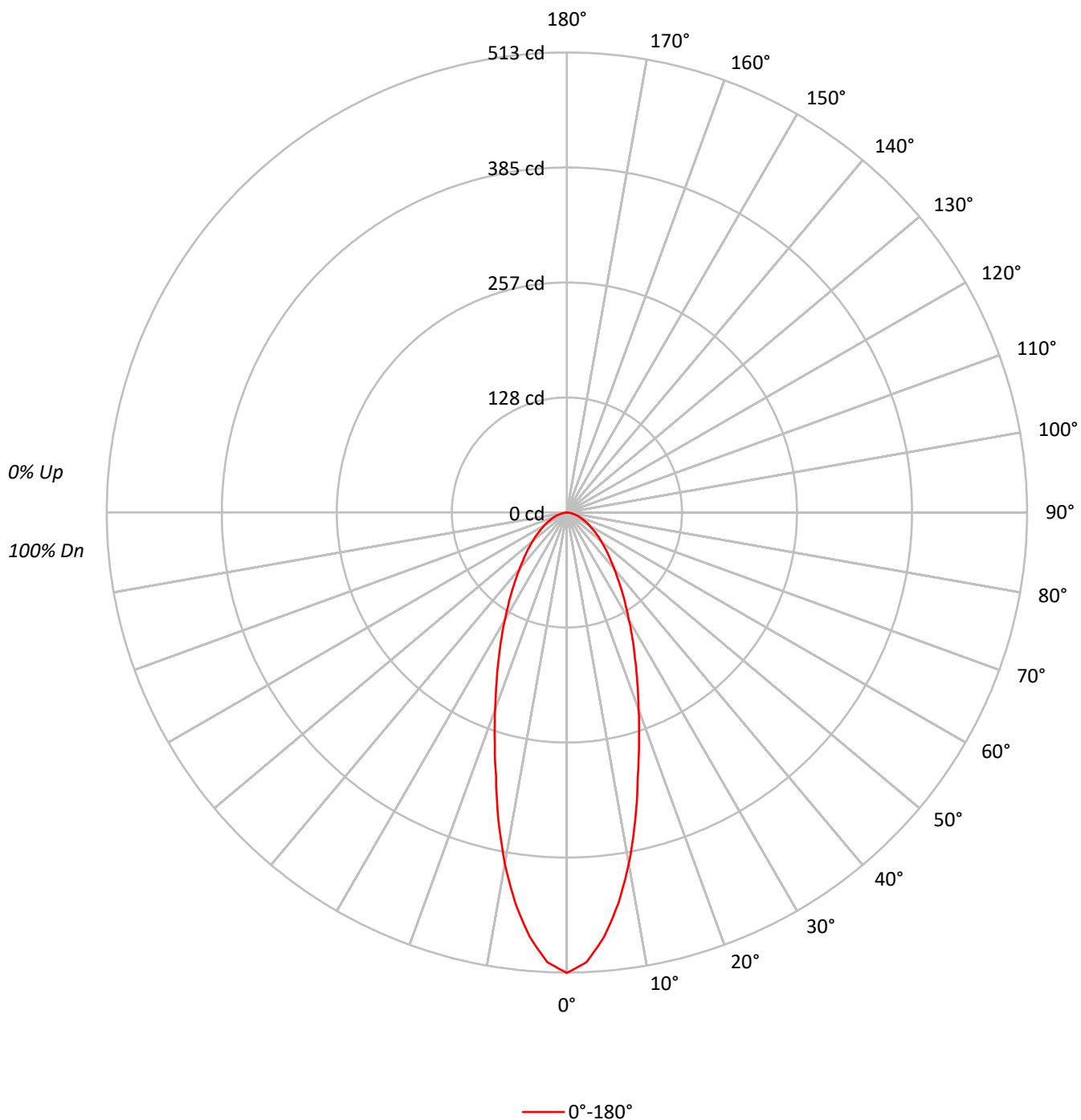
Lumens per Lamp: N/A
Luminaire Lumens: 397.0 lumens
Efficiency: N/A
Efficacy: 30.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				0				0
RCR																													
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100											100
1	112	108	105	102	109	106	103	101	102	100	97	98	96	95	95	93	92	90											90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80											80
3	98	90	83	78	95	88	82	78	85	81	77	83	79	75	80	77	74	72											72
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66											66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60											60
6	81	70	63	58	79	70	63	58	68	62	58	66	61	57	65	60	57	55											55
7	76	66	59	54	75	65	58	53	63	58	53	62	57	53	61	56	53	51											51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47											47
9	69	58	51	46	67	57	51	46	56	50	46	55	50	46	54	49	46	44											44
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43	41											41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112579
5°	104600
10°	88576
15°	69331
20°	54558
25°	43478
30°	34967
35°	28509
40°	23587
45°	19878
50°	17023
55°	14642
60°	12762
65°	11207
70°	9617
75°	8472
80°	6314
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19878 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	10.8
10°-20°	85.5	21.5
20°-30°	83.0	20.9
30°-40°	67.1	16.9
40°-50°	49.9	12.6
50°-60°	34.6	8.7
60°-70°	21.7	5.5
70°-80°	10.5	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°	211.4	53.2
0°-40°	278.5	70.1
0°-60°	363.0	91.4
0°-90°	397.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	397.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	513	
5°	475	43
15°	305	85
25°	180	83
35°	106	67
45°	64	50
55°	38	35
65°	22	22
75°	10	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	513.4
2.5°	501.8
5°	475.2
7.5°	439.4
10°	397.8
12.5°	352.0
15°	305.4
17.5°	267.1
20°	233.8
22.5°	204.7
25°	179.7
27.5°	158.1
30°	138.1
32.5°	121.5
35°	106.5
37.5°	93.2
40°	82.4
42.5°	72.4
45°	64.1
47.5°	56.6
50°	49.9
52.5°	44.1
55°	38.3
57.5°	33.3
60°	29.1
62.5°	25.8
65°	21.6
67.5°	18.3
70°	15.0
72.5°	12.5
75°	10.0
77.5°	7.5
80°	5.0
82.5°	2.5
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)