

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: P1282822

Luminaire Tested: P3AS09R20B2750DE010 E3PHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282822
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

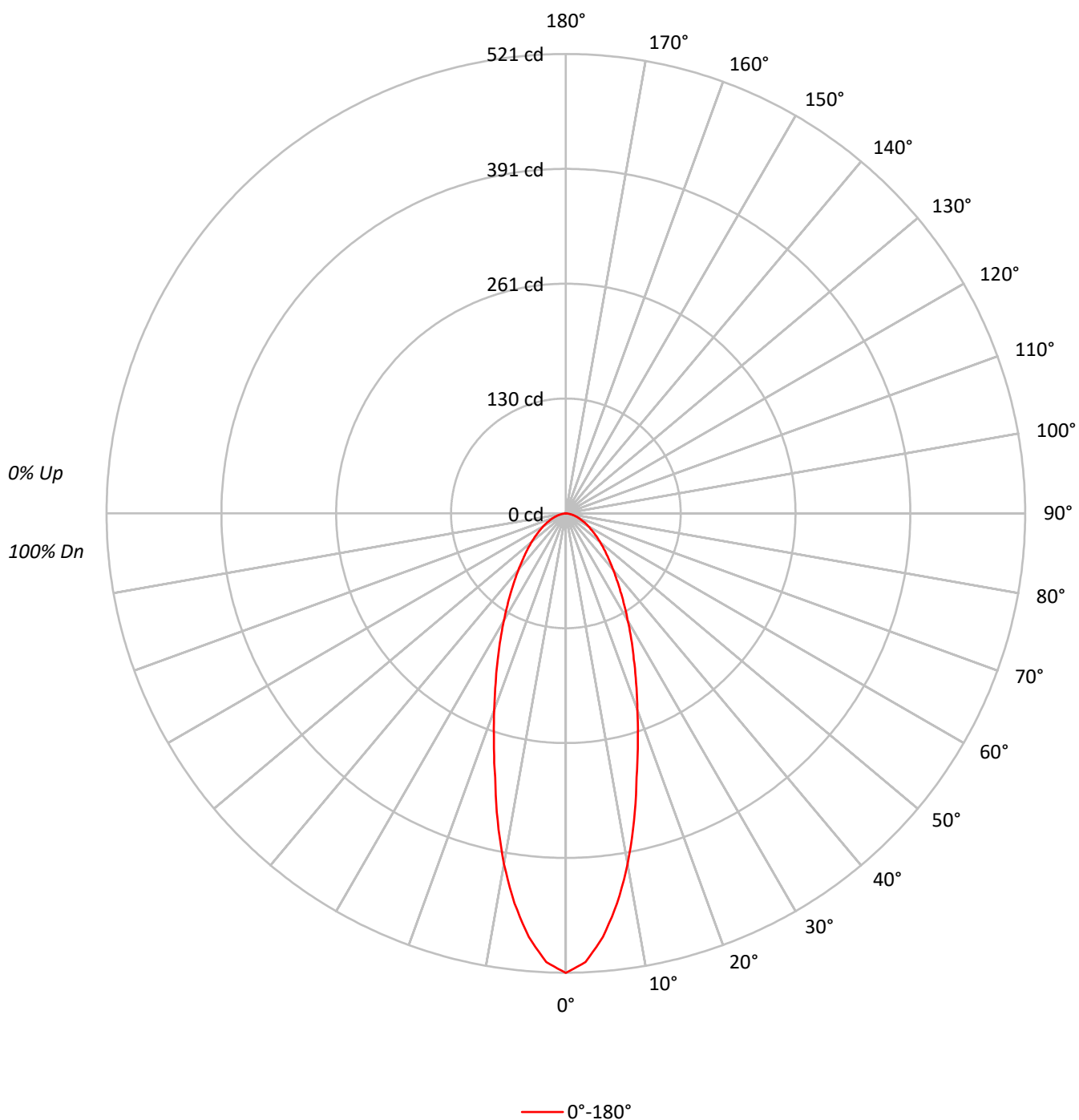
Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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		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	63	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°	114289
5°	106163
10°	89911
15°	70375
20°	55398
25°	44156
30°	35499
35°	28938
40°	23931
45°	20157
50°	17296
55°	14872
60°	12981
65°	11415
70°	9745
75°	8557
80°	6440
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20157 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	10.8
10°-20°	86.8	21.5
20°-30°	84.3	20.9
30°-40°	68.1	16.9
40°-50°	50.6	12.6
50°-60°	35.2	8.7
60°-70°	22.0	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°	214.6	53.3
0°-40°	282.7	70.1
0°-60°	368.5	91.4
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	521	
5°	482	44
15°	310	87
25°	182	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°	521.2
2.5°	509.4
5°	482.3
7.5°	446.0
10°	403.8
12.5°	357.3
15°	310.0
17.5°	271.2
20°	237.4
22.5°	207.8
25°	182.5
27.5°	160.5
30°	140.2
32.5°	123.3
35°	108.1
37.5°	94.6
40°	83.6
42.5°	73.5
45°	65.0
47.5°	57.4
50°	50.7
52.5°	44.8
55°	38.9
57.5°	33.8
60°	29.6
62.5°	26.2
65°	22.0
67.5°	18.6
70°	15.2
72.5°	12.7
75°	10.1
77.5°	7.6
80°	5.1
82.5°	2.5
85°	1.7
87.5°	0.0
90°	0.0

(END OF REPORT)