

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: P1282826

Luminaire Tested: P3AS09R20B2750DE010 E3PHLD1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1282826
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 80CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

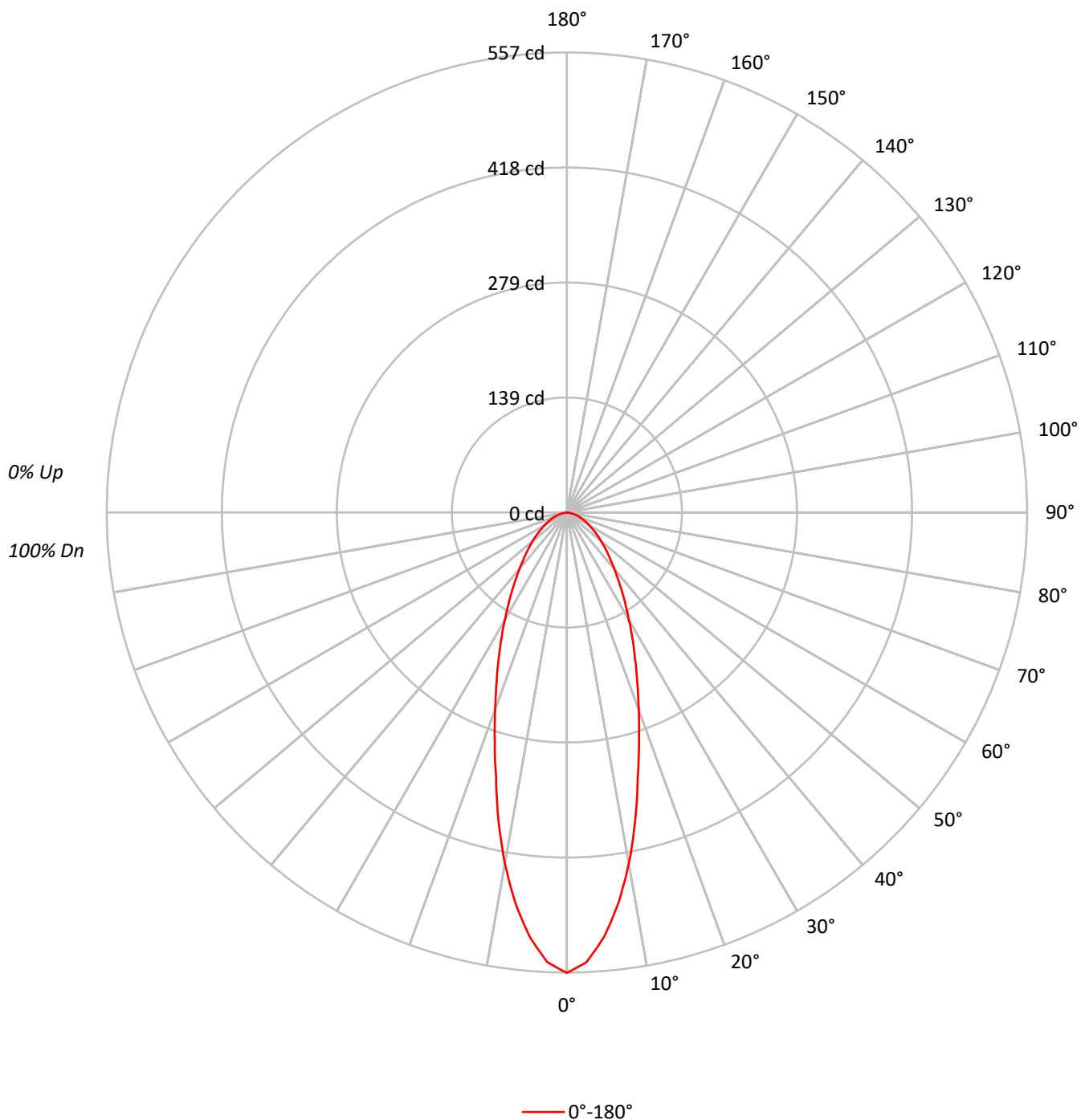
Lumens per Lamp: N/A
Luminaire Lumens: 431.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.68
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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		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°	122227
5°	113559
10°	96146
15°	75279
20°	59248
25°	47204
30°	37981
35°	30945
40°	25591
45°	21584
50°	18490
55°	15904
60°	13859
65°	12193
70°	10450
75°	9150
80°	6819
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21584 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	10.8
10°-20°	92.8	21.5
20°-30°	90.1	20.9
30°-40°	72.8	16.9
40°-50°	54.1	12.6
50°-60°	37.6	8.7
60°-70°	23.6	5.5
70°-80°	11.4	2.7
80°-90°	2.0	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°	229.5	53.3
0°-40°	302.3	70.2
0°-60°	394.1	91.4
0°-90°	431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	557	
5°	516	47
15°	332	93
25°	195	90
35°	116	73
45°	70	54
55°	42	38
65°	24	24
75°	11	11
85°	2	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	557.4
2.5°	544.8
5°	515.9
7.5°	477.0
10°	431.8
12.5°	382.2
15°	331.6
17.5°	290.0
20°	253.9
22.5°	222.2
25°	195.1
27.5°	171.7
30°	150.0
32.5°	131.9
35°	115.6
37.5°	101.2
40°	89.4
42.5°	78.6
45°	69.6
47.5°	61.4
50°	54.2
52.5°	47.9
55°	41.6
57.5°	36.1
60°	31.6
62.5°	28.0
65°	23.5
67.5°	19.9
70°	16.3
72.5°	13.6
75°	10.8
77.5°	8.1
80°	5.4
82.5°	2.7
85°	1.8
87.5°	0.0
90°	0.0

(END OF REPORT)