

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: P1281100

Luminaire Tested: P3AS05R20B2750DE010 E3PHLD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1281100
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: P3AS05R20B2750DE010 E3PHLD1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 80CRI , E3PHLD1MW TRIM
Light Source: -
Ballast/Driver: -

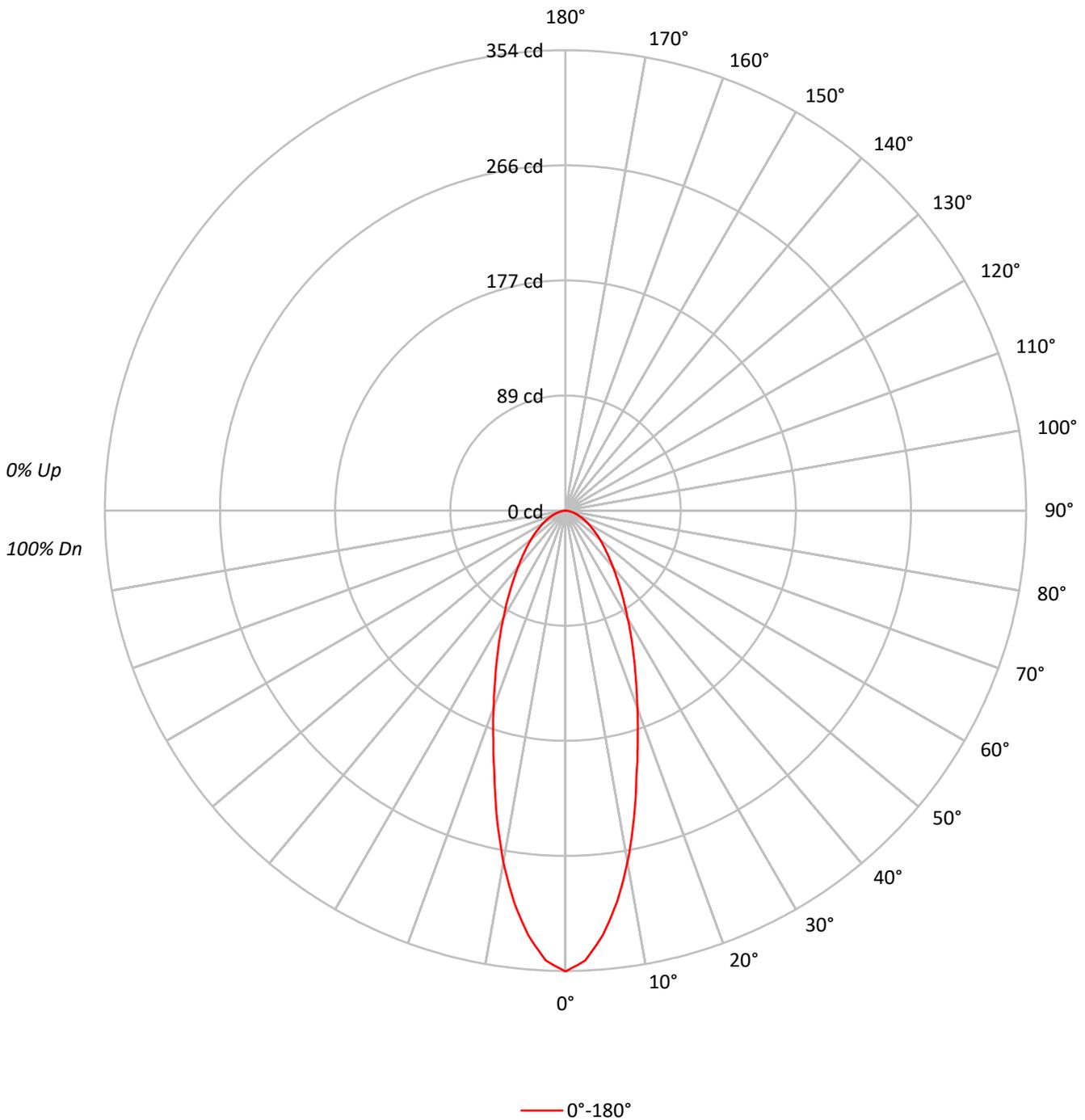
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 274.0 lumens
Efficiency: N/A
Efficacy: 46.4 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): 5.9
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	79	96	88	82	78	85	81	77	83	79	75	81	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	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77713
5°	72177
10°	61121
15°	47855
20°	37663
25°	30026
30°	24130
35°	19675
40°	16288
45°	13707
50°	11769
55°	10093
60°	8815
65°	7731
70°	6604
75°	5846
80°	4293
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13707 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	10.8
10°-20°	59.0	21.5
20°-30°	57.3	20.9
30°-40°	46.3	16.9
40°-50°	34.4	12.6
50°-60°	23.9	8.7
60°-70°	14.9	5.5
70°-80°	7.3	2.6
80°-90°	1.2	0.4
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°	145.9	53.3
0°-40°	192.2	70.2
0°-60°	250.5	91.4
0°-90°	274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	274.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	354	
5°	328	30
15°	211	59
25°	124	57
35°	74	46
45°	44	34
55°	26	24
65°	15	15
75°	7	7
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	354.4
2.5°	346.3
5°	327.9
7.5°	303.3
10°	274.5
12.5°	242.9
15°	210.8
17.5°	184.4
20°	161.4
22.5°	141.3
25°	124.1
27.5°	109.1
30°	95.3
32.5°	83.9
35°	73.5
37.5°	64.3
40°	56.9
42.5°	50.0
45°	44.2
47.5°	39.1
50°	34.5
52.5°	30.4
55°	26.4
57.5°	23.0
60°	20.1
62.5°	17.8
65°	14.9
67.5°	12.6
70°	10.3
72.5°	8.6
75°	6.9
77.5°	5.2
80°	3.4
82.5°	1.7
85°	1.1
87.5°	0.0
90°	0.0

(END OF REPORT)