

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: P1258187

Luminaire Tested: P3AS20R459040D010 E3DLD1H

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1258187
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS20R459040D010 E3DLD1H
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

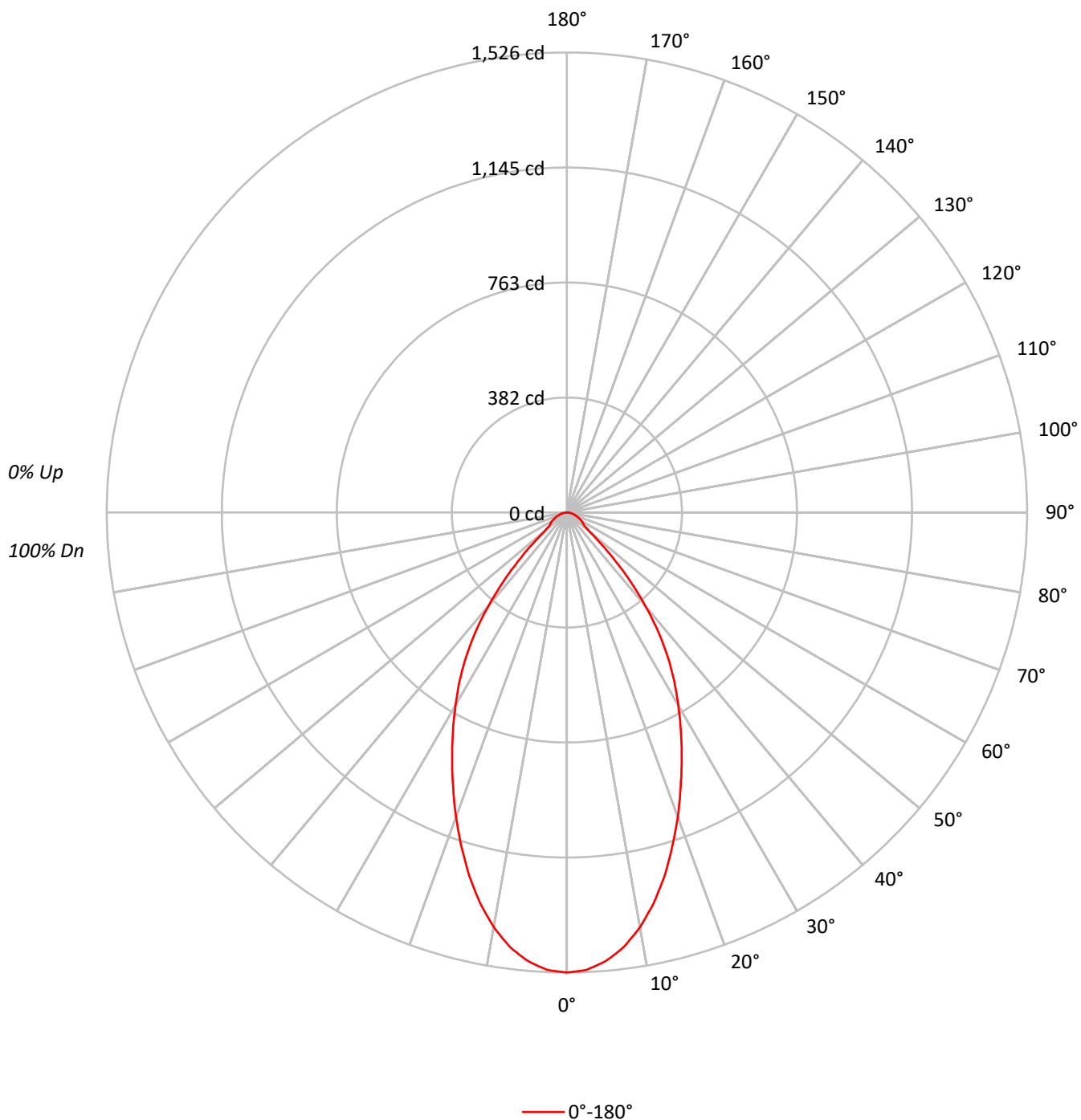
Lumens per Lamp: N/A
Luminaire Lumens: 1578.0 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 0.84 / 0.84 / 0.92
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	104	110	107	104	102	103	101	99		99	97	96		96
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	99	92	86	82	97	90	85	81	88	83	80		85	81	78		83
4	94	85	78	74	92	84	78	73	81	76	72		79	75	71		77
5	88	79	72	67	86	78	71	67	76	70	66		74	69	65		72
6	83	73	66	61	81	72	66	61	71	65	61		69	64	60		68
7	78	68	61	57	77	67	61	56	66	60	56		65	60	56		64
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	70	60	53	49	69	59	53	49	58	52	48		57	52	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	334578
5°	328637
10°	310994
15°	283611
20°	250808
25°	217803
30°	186940
35°	155770
40°	116075
45°	71046
50°	32886
55°	25729
60°	24735
65°	22622
70°	20965
75°	19995
80°	18310
85°	13838

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71046 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.5	8.8
10°-20°	347.8	22.0
20°-30°	413.3	26.2
30°-40°	359.1	22.8
40°-50°	180.1	11.4
50°-60°	62.5	4.0
60°-70°	43.8	2.8
70°-80°	24.4	1.5
80°-90°	7.4	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°	900.6	57.1
0°-40°	1259.7	79.8
0°-60°	1502.3	95.2
0°-90°	1578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1526	
5°	1493	139
15°	1249	348
25°	900	413
35°	582	359
45°	229	180
55°	67	63
65°	44	44
75°	24	24
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1525.8
2.5°	1518.5
5°	1493.0
7.5°	1453.0
10°	1396.7
12.5°	1327.5
15°	1249.3
17.5°	1162.1
20°	1074.8
22.5°	985.7
25°	900.2
27.5°	818.3
30°	738.3
32.5°	662.0
35°	581.9
37.5°	496.5
40°	405.5
42.5°	316.4
45°	229.1
47.5°	150.9
50°	96.4
52.5°	74.6
55°	67.3
57.5°	61.8
60°	56.4
62.5°	50.9
65°	43.6
67.5°	38.2
70°	32.7
72.5°	27.3
75°	23.6
77.5°	18.2
80°	14.5
82.5°	10.9
85°	5.5
87.5°	3.6
90°	0.0

(END OF REPORT)