

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: P1257048

Luminaire Tested: P3AS09R459040DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1257048
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS09R459040DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

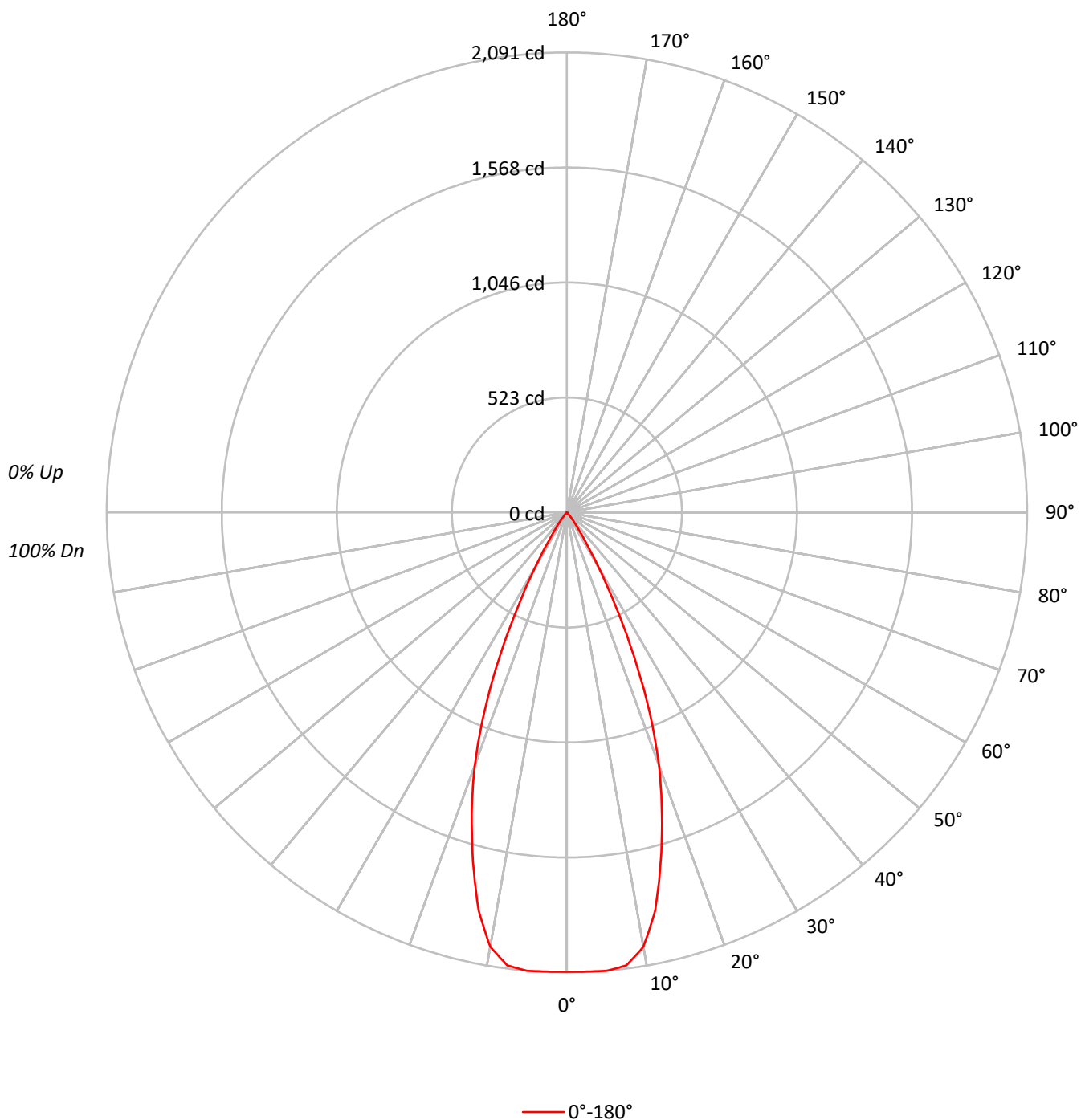
Lumens per Lamp: N/A
Luminaire Lumens: 1056.1 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.72 / 0.66
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1257048

CATALOG NUMBER: P3AS09R459040DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1257048

CATALOG NUMBER: P3AS09R459040DE010 E3CD1MB

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	114	112	110	108		112	110	108	106		106	104	103		102	101	100		99	98	97
2	110	106	102	100		108	104	101	98		101	98	96		98	96	94		95	94	92
3	106	100	96	93		104	99	95	92		96	93	91		94	91	89		92	90	88
4	102	95	91	87		100	94	90	87		92	89	86		90	87	85		88	86	84
5	98	91	86	82		96	90	85	82		88	84	81		87	83	81		85	82	80
6	94	87	82	78		93	86	81	78		85	80	77		83	80	77		82	79	76
7	90	83	78	74		89	82	78	74		81	77	74		80	76	74		79	76	73
8	87	79	74	71		86	79	74	71		78	74	71		77	73	70		76	73	70
9	84	76	71	68		83	76	71	68		75	71	68		74	70	67		73	70	67
10	81	73	68	65		80	73	68	65		72	68	65		71	67	65		71	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457836
5°	460267
10°	446128
15°	373850
20°	285788
25°	173986
30°	72391
35°	23182
40°	7214
45°	1458
50°	1092
55°	1223
60°	1053
65°	1245
70°	1026
75°	1356
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1458 cd/sqm

TEST NUMBER: P1257048

CATALOG NUMBER: P3AS09R459040DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.2	18.7
10°-20°	452.6	42.9
20°-30°	325.9	30.9
30°-40°	67.8	6.4
40°-50°	6.2	0.6
50°-60°	2.6	0.2
60°-70°	2.1	0.2
70°-80°	1.4	0.1
80°-90°	0.3	0.0
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°	975.7	92.4
0°-40°	1043.5	98.8
0°-60°	1052.3	99.6
0°-90°	1056.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1056.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2088	
5°	2091	197
15°	1647	453
25°	719	326
35°	87	68
45°	5	6
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1257048

CATALOG NUMBER: P3AS09R459040DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

	0°
0°	2087.9
2.5°	2088.7
5°	2091.0
7.5°	2076.1
10°	2003.6
12.5°	1852.4
15°	1646.8
17.5°	1436.6
20°	1224.7
22.5°	981.3
25°	719.1
27.5°	474.1
30°	285.9
32.5°	159.9
35°	86.6
37.5°	48.8
40°	25.2
42.5°	11.0
45°	4.7
47.5°	3.2
50°	3.2
52.5°	3.2
55°	3.2
57.5°	2.4
60°	2.4
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)