

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: P1271160

Luminaire Tested: P3AS05R159827DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1271160
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R159827DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

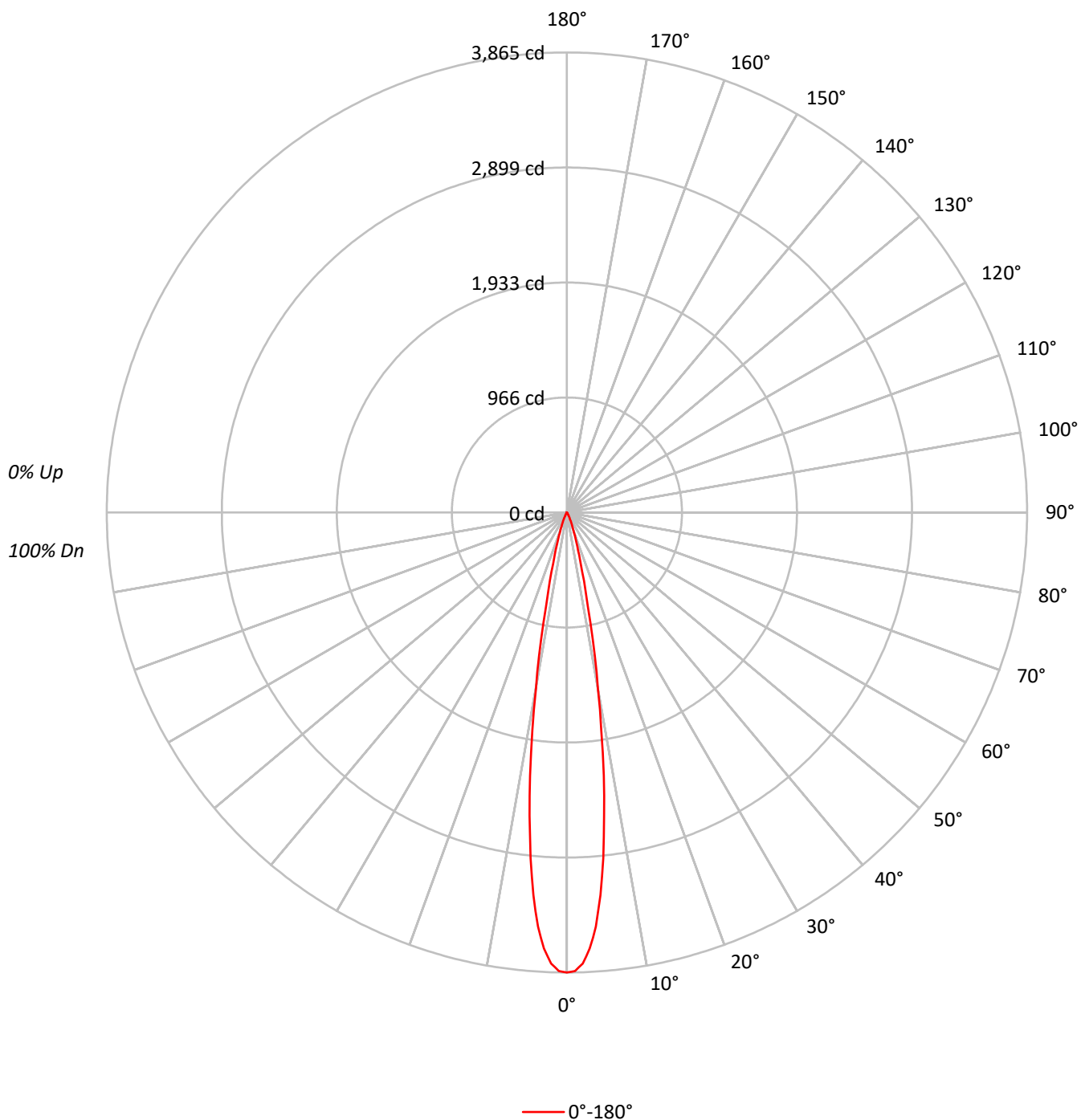
Lumens per Lamp: N/A
Luminaire Lumens: 436.0 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1271160

CATALOG NUMBER: P3AS05R159827DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1271160

CATALOG NUMBER: P3AS05R159827DE010 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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	95	95	95	94
4	107	103	100	97	106	102	99	97	100	97	96	98	96	94	97	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	90	90	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
8	99	94	90	88	98	93	90	88	93	90	88	92	89	87	91	89	87	87	87	86
9	97	92	89	87	97	92	89	87	91	88	86	90	88	86	90	87	86	86	86	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	85	85	85	84

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	847476
5°	710278
10°	334574
15°	100863
20°	37313
25°	14517
30°	5419
35°	1660
40°	601
45°	310
50°	239
55°	268
60°	307
65°	156
70°	192
75°	254
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 310 cd/sqm

TEST NUMBER: P1271160

CATALOG NUMBER: P3AS05R159827DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.5	57.2
10°-20°	148.3	34.0
20°-30°	31.2	7.1
30°-40°	5.0	1.2
40°-50°	0.9	0.2
50°-60°	0.6	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.0
80°-90°	0.0	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°	428.9	98.4
0°-40°	433.9	99.5
0°-60°	435.4	99.9
0°-90°	436.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	436.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3865	
5°	3227	249
15°	444	148
25°	60	31
35°	6	5
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1271160

CATALOG NUMBER: P3AS05R159827DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	3864.8
1°	3852.8
2°	3791.4
3°	3668.7
4°	3488.7
5°	3226.8
6°	2919.0
7°	2567.0
8°	2230.9
9°	1850.4
10°	1502.6
12.5°	810.7
15°	444.3
17.5°	260.3
20°	159.9
22.5°	97.9
25°	60.0
27.5°	36.2
30°	21.4
32.5°	12.1
35°	6.2
37.5°	3.4
40°	2.1
42.5°	1.4
45°	1.0
47.5°	0.7
50°	0.7
52.5°	0.7
55°	0.7
57.5°	0.7
60°	0.7
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.3
75°	0.3
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)