

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: P1245680

Luminaire Tested: P3A02R309024DE010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A02R309024DE010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

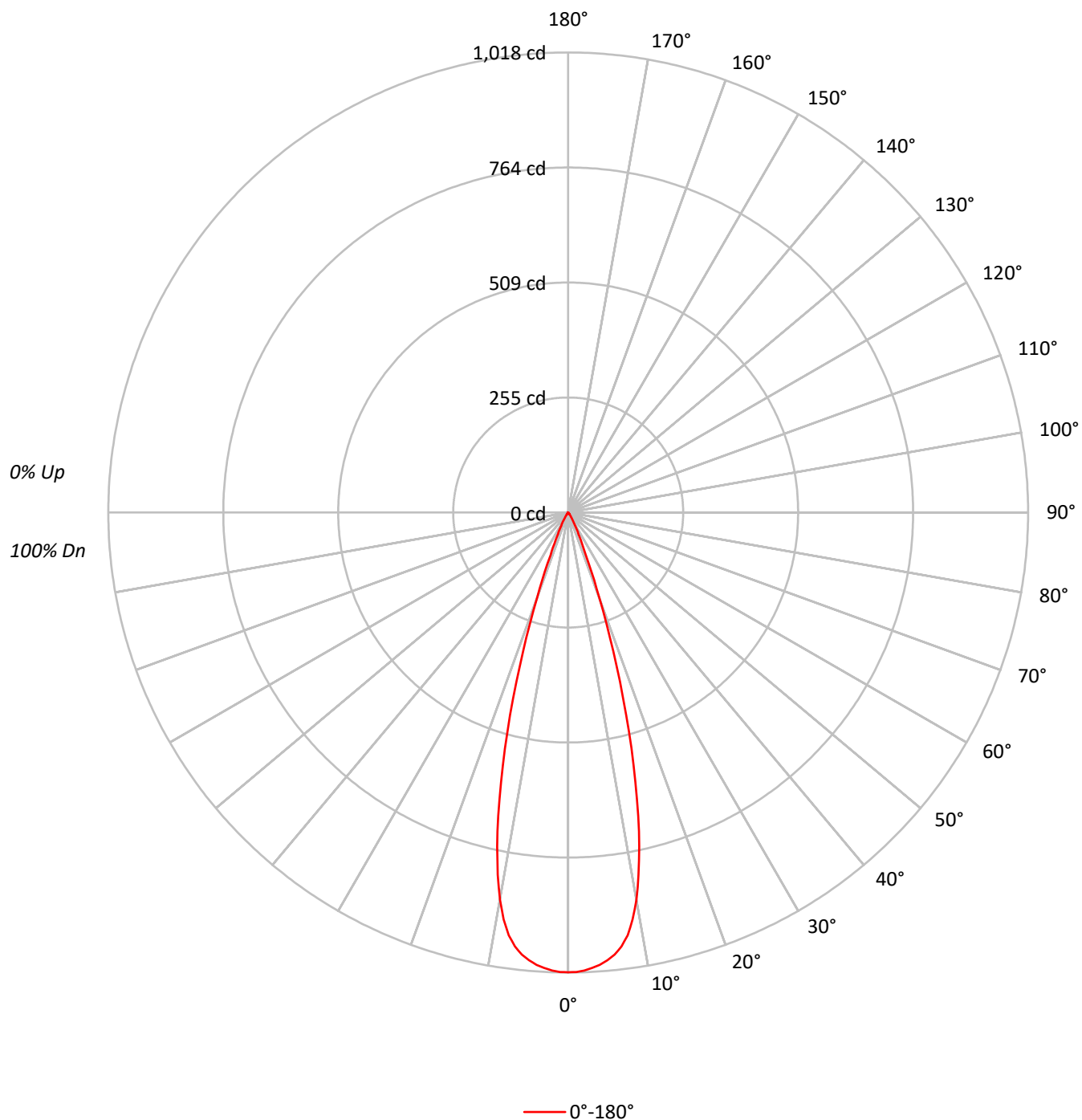
Lumens per Lamp: N/A
Luminaire Lumens: 273.9 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1245680

CATALOG NUMBER: P3A02R309024DE010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1245680

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	93	92
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	100	95	92	89	94	90	88	92	89	87	91	88	87	85	84	83
6	99	93	89	86	98	92	88	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	89	86	83	88	85	83	87	84	82	86	84	82	81	80	79
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	90	84	81	78	84	80	78	83	80	78	82	79	77	76	75	74
10	89	83	79	76	88	82	78	76	82	78	76	81	78	76	80	78	75	74	73	72

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	223118
5°	218908
10°	193784
15°	122770
20°	46601
25°	13791
30°	5444
35°	1660
40°	744
45°	279
50°	205
55°	153
60°	175
65°	208
70°	128
75°	169
80°	253
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 279 cd/sqm

TEST NUMBER: P1245680

CATALOG NUMBER: P3A02R309024DE010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.4	33.4
10°-20°	142.5	52.0
20°-30°	33.1	12.1
30°-40°	5.1	1.9
40°-50°	0.9	0.3
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	267.0	97.5
0°-40°	272.1	99.3
0°-60°	273.3	99.8
0°-90°	273.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	273.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	994	91
15°	541	142
25°	57	33
35°	6	5
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1245680

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1017.5
1°	1016.9
2°	1014.1
3°	1009.4
4°	1003.3
5°	994.5
6°	983.5
7°	967.2
8°	944.8
9°	911.9
10°	870.3
11°	816.7
12°	756.3
13°	689.1
14°	615.3
15°	540.8
17.5°	353.8
20°	199.7
22.5°	102.0
25°	57.0
27.5°	35.1
30°	21.5
32.5°	11.6
35°	6.2
37.5°	4.1
40°	2.6
42.5°	1.5
45°	0.9
47.5°	0.6
50°	0.6
52.5°	0.4
55°	0.4
57.5°	0.4
60°	0.4
62.5°	0.4
65°	0.4
67.5°	0.2
70°	0.2
72.5°	0.2
75°	0.2
77.5°	0.2
80°	0.2
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1245680

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)