

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: P1269810

Luminaire Tested: P3A13R309740DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269810
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: P3A13R309740DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

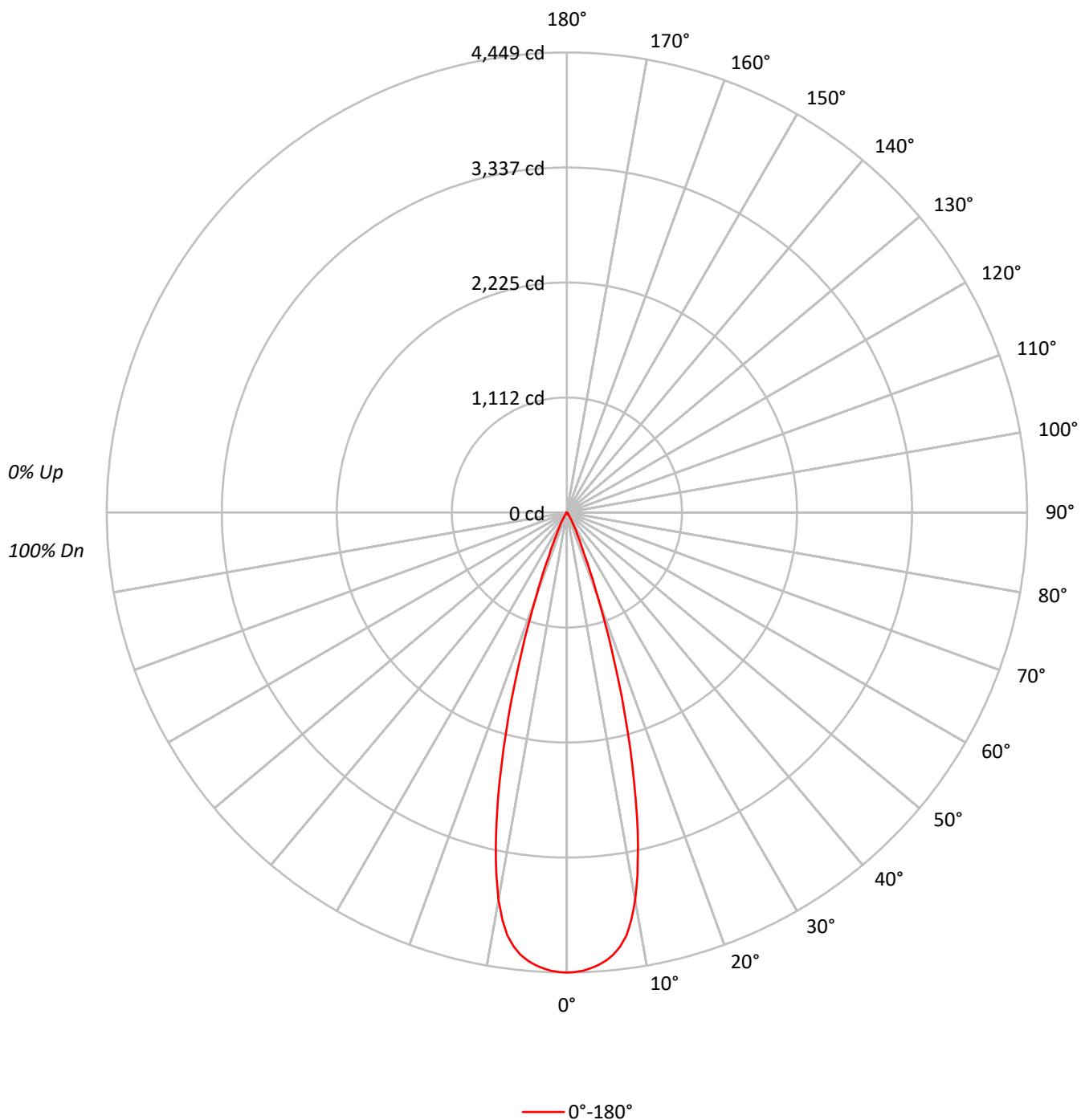
Lumens per Lamp: N/A
Luminaire Lumens: 1198.0 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.47
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1269810

CATALOG NUMBER: P3A13R309740DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1269810

CATALOG NUMBER: P3A13R309740DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	100	96	93	103	99	95	92	97	94	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	86	91	88	85		90	87	85		89
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84
9	91	85	81	78	90	84	81	78	84	80	78		83	80	78		82
10	89	83	79	76	88	82	78	76	82	78	76		81	78	76		80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	975580
5°	957140
10°	847301
15°	536825
20°	203764
25°	60342
30°	23826
35°	7308
40°	3235
45°	1178
50°	955
55°	726
60°	833
65°	986
70°	577
75°	763
80°	1137
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1178 cd/sqm

TEST NUMBER: P1269810

CATALOG NUMBER: P3A13R309740DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.7	33.4
10°-20°	622.9	52.0
20°-30°	144.7	12.1
30°-40°	22.4	1.9
40°-50°	3.8	0.3
50°-60°	1.8	0.2
60°-70°	1.5	0.1
70°-80°	1.0	0.1
80°-90°	0.1	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°	1167.3	97.4
0°-40°	1189.8	99.3
0°-60°	1195.4	99.8
0°-90°	1198.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1198.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4449	
5°	4348	400
15°	2365	623
25°	249	145
35°	27	22
45°	4	4
55°	2	2
65°	2	2
75°	1	1
85°	0	0
90°	0	

TEST NUMBER: P1269810

CATALOG NUMBER: P3A13R309740DE010 E3CD1MB

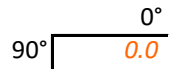
CANDELA DISTRIBUTION (FULL):

0°	
0°	4449.0
1°	4446.2
2°	4433.9
3°	4413.2
4°	4386.9
5°	4348.3
6°	4300.3
7°	4228.8
8°	4130.9
9°	3987.0
10°	3805.3
11°	3571.0
12°	3306.6
13°	3013.0
14°	2690.3
15°	2364.7
17.5°	1547.0
20°	873.2
22.5°	446.0
25°	249.4
27.5°	153.4
30°	94.1
32.5°	50.8
35°	27.3
37.5°	17.9
40°	11.3
42.5°	6.6
45°	3.8
47.5°	2.8
50°	2.8
52.5°	1.9
55°	1.9
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.9
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
82.5°	0.0
85°	0.0
87.5°	0.0



TEST NUMBER: P1269810
CATALOG NUMBER: P3A13R309740DE010 E3CD1MB

CANDELA DISTRIBUTION (continued):



(END OF REPORT)