

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: P1269549

Luminaire Tested: P3A09R559740DE010 E3D1WMH

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R559740DE010 E3D1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

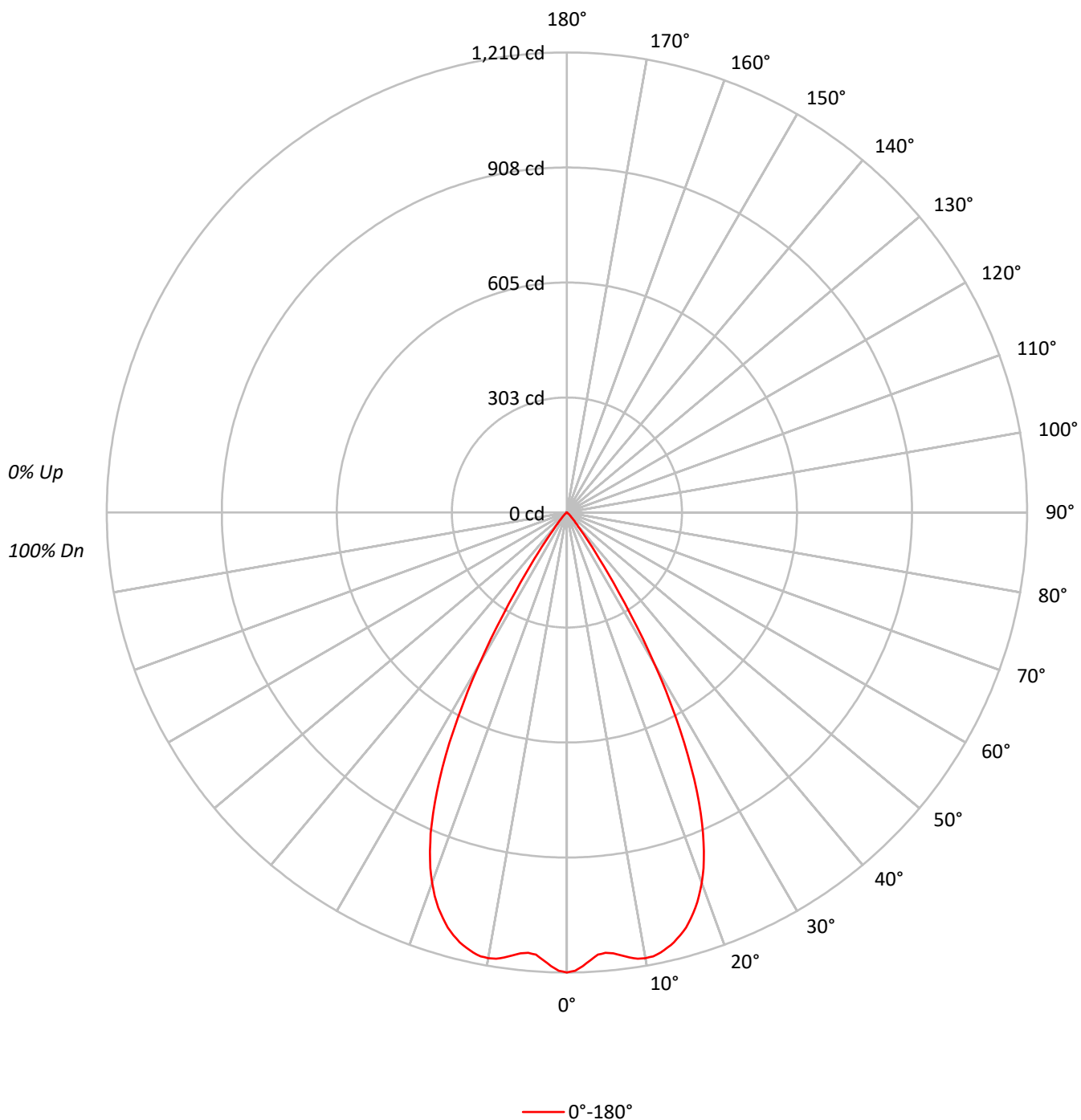
Lumens per Lamp: N/A
Luminaire Lumens: 914.9 lumens
Efficiency: N/A
Efficacy: 82.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1269549

CATALOG NUMBER: P3A09R559740DE010 E3D1WMH

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	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		
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89		
3	104	98	94	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84		
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79		
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75		
6	91	83	78	74	90	82	77	74	81	76	73	80	76	73	78	75	72	71		
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	67		
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	63		
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60		
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	57		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	265330
5°	255954
10°	265103
15°	261364
20°	241894
25°	195640
30°	117233
35°	39726
40°	10935
45°	4838
50°	1433
55°	268
60°	132
65°	156
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4838 cd/sqm

TEST NUMBER: P1269549

CATALOG NUMBER: P3A09R559740DE010 E3D1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	12.3
10°-20°	320.5	35.0
20°-30°	356.3	38.9
30°-40°	110.9	12.1
40°-50°	13.3	1.5
50°-60°	1.0	0.1
60°-70°	0.3	0.0
70°-80°	0.0	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°	789.4	86.3
0°-40°	900.3	98.4
0°-60°	914.6	100.0
0°-90°	914.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1210	
5°	1163	113
15°	1151	321
25°	809	356
35°	148	111
45°	16	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1269549

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1210.0
1°	1205.5
2°	1193.7
3°	1179.1
4°	1165.9
5°	1162.8
6°	1166.2
7°	1173.5
8°	1181.9
9°	1188.5
10°	1190.6
11°	1189.2
12°	1183.6
13°	1174.9
14°	1164.9
15°	1151.3
16°	1135.7
17°	1115.8
18°	1093.6
19°	1066.8
20°	1036.6
21°	1002.2
22°	961.5
23°	916.7
24°	865.2
25°	808.6
26°	746.3
27°	680.3
28°	609.7
29°	537.1
30°	463.0
31°	388.6
32°	316.0
32.5°	283.7
33°	250.3
34°	193.6
35°	148.4
36°	113.0
37°	83.8
37.5°	71.6
38°	62.2
39°	47.3
40°	38.2
42.5°	24.3
45°	15.6



TEST NUMBER: P1269549

CATALOG NUMBER: P3A09R559740DE010 E3D1WMH

CANDELA DISTRIBUTION (continued):

	0°
47.5°	9.4
50°	4.2
52.5°	1.4
55°	0.7
57.5°	0.3
60°	0.3
62.5°	0.3
65°	0.3
67.5°	0.3
70°	0.3
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)