

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: P1272520

Luminaire Tested: P3AS17R709827DE010 E3D1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-48)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R709827DE010 E3D1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3D1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

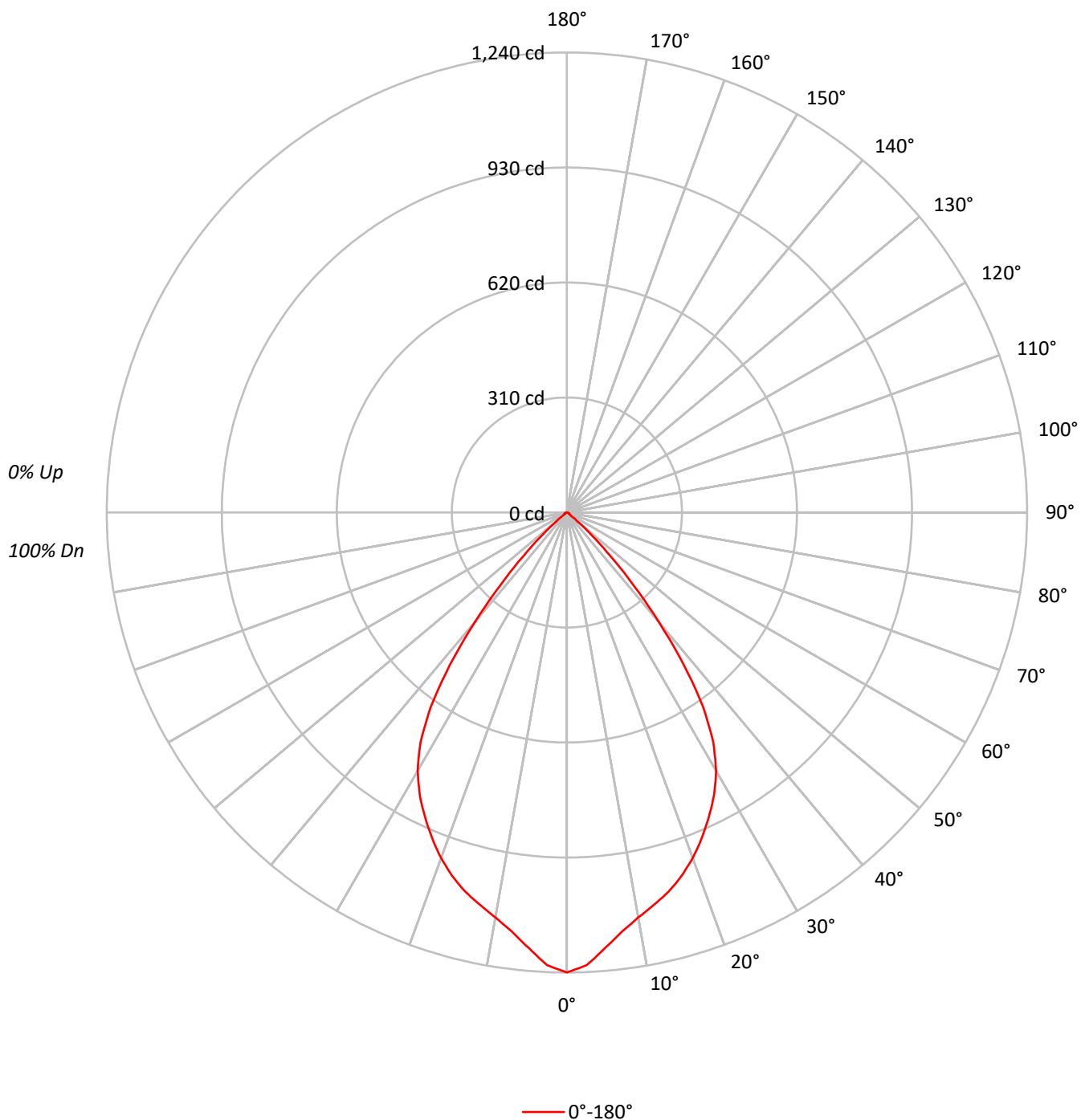
Lumens per Lamp: N/A
Luminaire Lumens: 1369.1 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.03
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	93	97	94	91		94	91	89		91
3	101	94	89	85	99	93	88	84	90	86	83		88	84	81		85
4	95	87	81	77	94	86	81	76	84	79	75		82	78	75		80
5	90	81	75	70	88	80	74	70	78	73	69		77	72	69		75
6	85	75	69	64	83	75	69	64	73	68	64		72	67	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	76	66	59	55	75	65	59	55	64	58	55		63	58	54		62
9	72	62	55	51	71	61	55	51	60	55	51		59	54	50		58
10	68	58	52	47	67	57	51	47	56	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	271842
5°	259387
10°	246800
15°	240206
20°	231323
25°	218940
30°	203626
35°	171055
40°	110264
45°	51230
50°	13441
55°	3364
60°	3377
65°	2854
70°	2821
75°	2796
80°	2778
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51230 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.3	8.1
10°-20°	297.3	21.7
20°-30°	415.4	30.3
30°-40°	385.2	28.1
40°-50°	138.1	10.1
50°-60°	11.7	0.9
60°-70°	5.9	0.4
70°-80°	3.8	0.3
80°-90°	1.5	0.1
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°	823.0	60.1
0°-40°	1208.2	88.2
0°-60°	1358.0	99.2
0°-90°	1369.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1369.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1240	
5°	1178	110
15°	1058	297
25°	905	415
35°	639	385
45°	165	138
55°	9	12
65°	6	6
75°	3	4
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1239.7
2.5°	1221.1
5°	1178.4
7.5°	1139.1
10°	1108.4
12.5°	1083.2
15°	1058.1
17.5°	1027.4
20°	991.3
22.5°	949.8
25°	904.9
27.5°	858.9
30°	804.2
32.5°	734.2
35°	639.0
37.5°	517.6
40°	385.2
42.5°	262.6
45°	165.2
47.5°	91.9
50°	39.4
52.5°	13.1
55°	8.8
57.5°	7.7
60°	7.7
62.5°	6.6
65°	5.5
67.5°	5.5
70°	4.4
72.5°	4.4
75°	3.3
77.5°	3.3
80°	2.2
82.5°	2.2
85°	1.1
87.5°	1.1
90°	0.0

(END OF REPORT)