

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: P1247531

Luminaire Tested: P3A20R159024D010 E3DLD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159024D010 E3DLD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

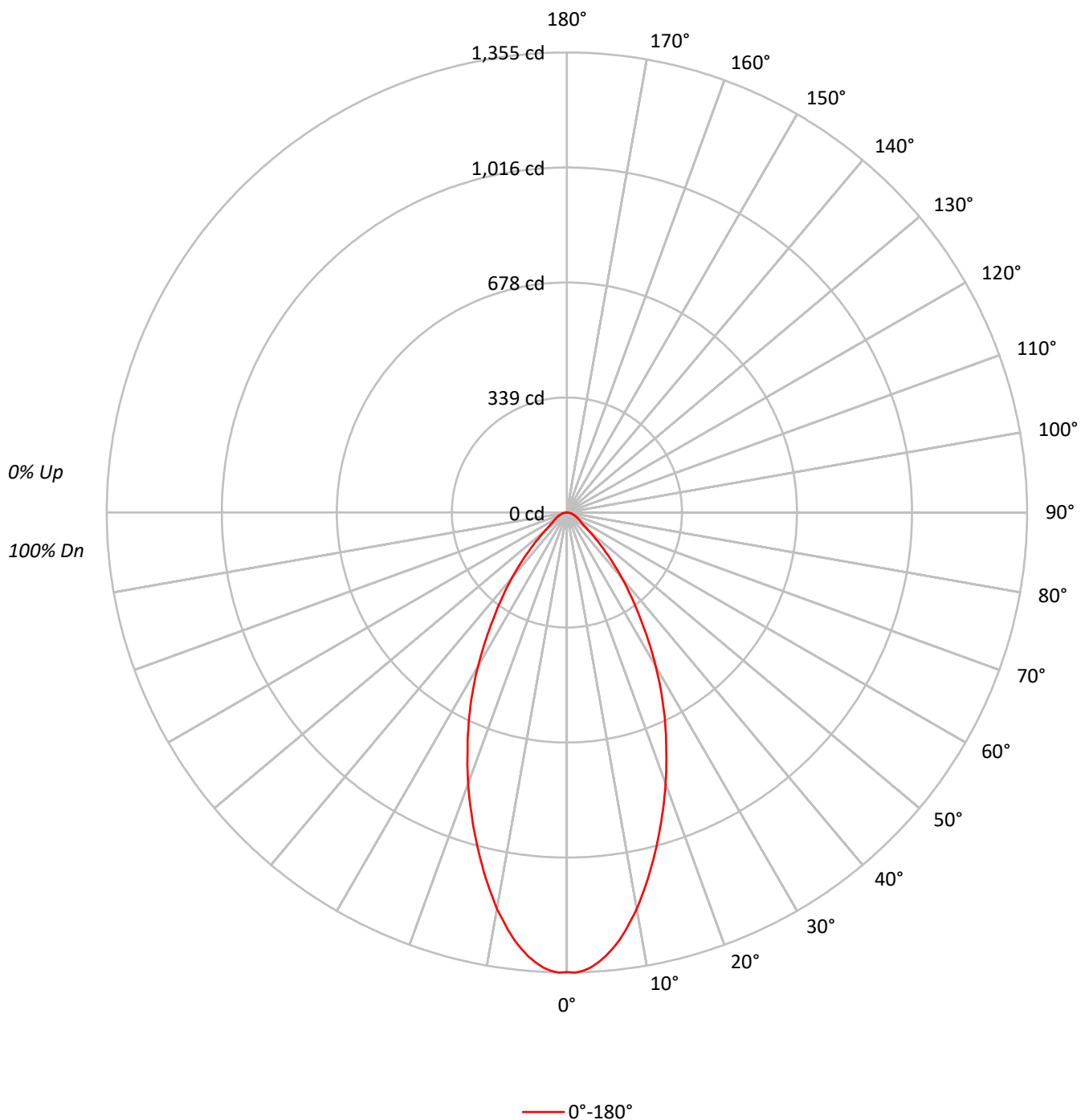
Lumens per Lamp: N/A
Luminaire Lumens: 1177.0 lumens
Efficiency: N/A
Efficacy: 40.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	109	106	104		110	107	105	102		103	101	99		99	98	96		96	95	93
2	106	100	96	92		104	99	95	91		95	92	89		92	90	87		90	87	85
3	100	93	87	83		98	91	86	82		89	84	81		86	82	79		84	81	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	73	68		87	79	73	68		77	72	67		75	70	67		74	69	66
6	84	74	68	63		83	73	67	63		72	66	62		70	66	62		69	65	61
7	80	69	63	58		78	69	63	58		67	62	58		66	61	57		65	61	57
8	76	65	59	54		74	65	58	54		63	58	54		62	57	54		61	57	53
9	72	61	55	51		71	61	55	51		60	54	50		59	54	50		58	53	50
10	68	58	52	48		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	296884
5°	288817
10°	263945
15°	231193
20°	198327
25°	165590
30°	132527
35°	99394
40°	72135
45°	47168
50°	29509
55°	19956
60°	17674
65°	16240
70°	15323
75°	13895
80°	13133
85°	11322

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47168 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	10.3
10°-20°	283.8	24.1
20°-30°	312.6	26.6
30°-40°	234.1	19.9
40°-50°	121.4	10.3
50°-60°	50.3	4.3
60°-70°	31.2	2.6
70°-80°	17.5	1.5
80°-90°	5.1	0.4
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°	717.5	61.0
0°-40°	951.6	80.8
0°-60°	1123.3	95.4
0°-90°	1177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1177.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1354	
5°	1312	121
15°	1018	284
25°	684	313
35°	371	234
45°	152	121
55°	52	50
65°	31	31
75°	16	17
85°	4	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1353.9
1°	1355.4
2°	1350.9
3°	1342.0
4°	1328.5
5°	1312.1
6°	1291.3
7°	1268.9
8°	1242.1
9°	1213.7
10°	1185.4
12.5°	1103.4
15°	1018.4
17.5°	933.4
20°	849.9
22.5°	764.9
25°	684.4
27.5°	603.9
30°	523.4
32.5°	444.3
35°	371.3
37.5°	308.7
40°	252.0
42.5°	199.8
45°	152.1
47.5°	114.8
50°	86.5
52.5°	64.1
55°	52.2
57.5°	46.2
60°	40.3
62.5°	35.8
65°	31.3
67.5°	26.8
70°	23.9
72.5°	19.4
75°	16.4
77.5°	13.4
80°	10.4
82.5°	7.5
85°	4.5
87.5°	1.5
90°	0.0

(END OF REPORT)