

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: P1299553

Luminaire Tested: P3A17R20W2N902750DE010 E3DLD1MW_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902750DE010 E3DLD1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

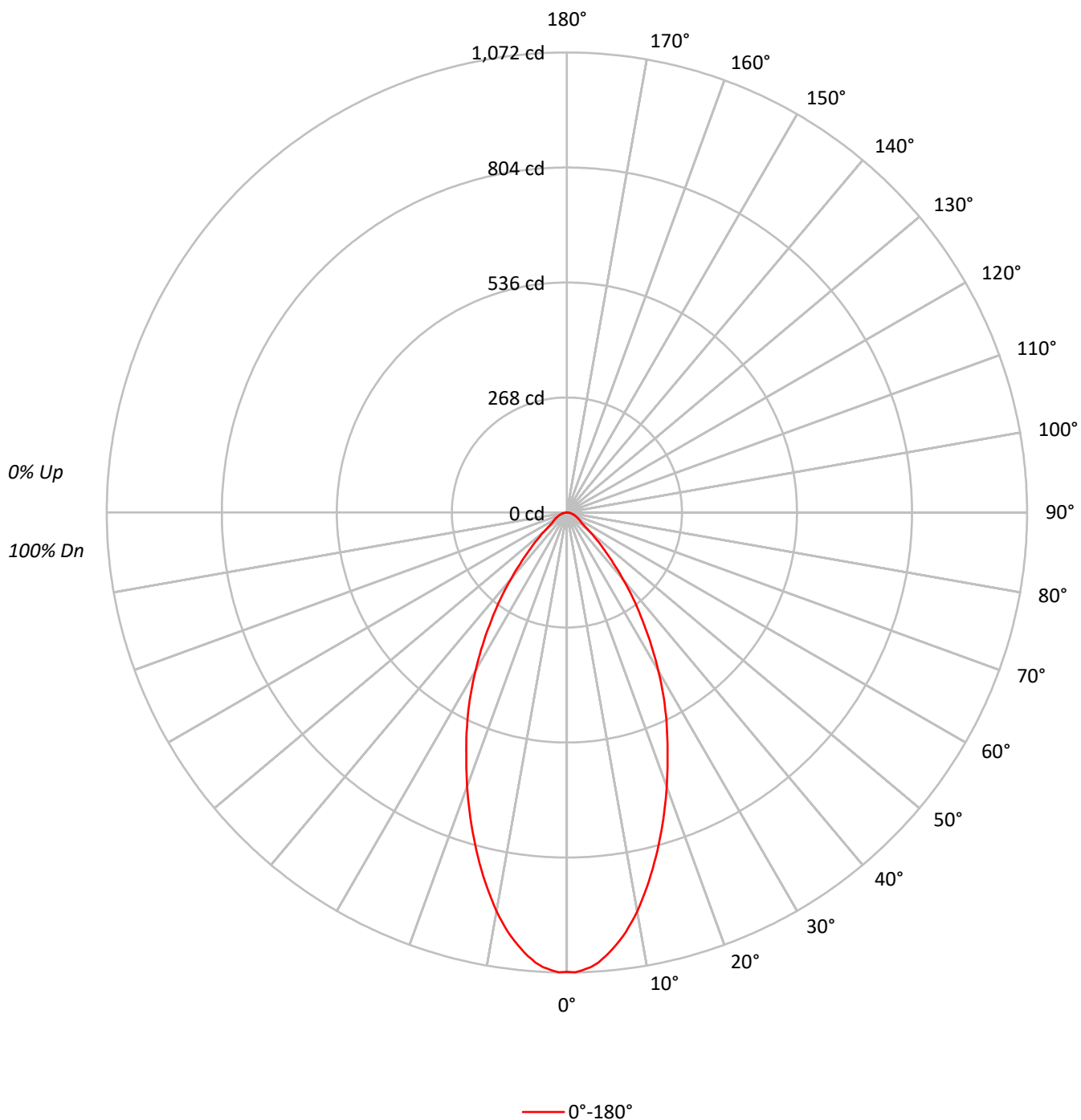
Lumens per Lamp: N/A
Luminaire Lumens: 948.9 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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

TEST NUMBER: P1299553

CATALOG NUMBER: P3A17R20W2N902750DE010 E3DLD1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1299553

CATALOG NUMBER: P3A17R20W2N902750DE010 E3DLD1MW_5000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	106	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	96	92	104	99	94	91	95	92	89		92	89	87		90	87	85	83
3	100	93	87	82	98	91	86	82	88	84	80		86	82	79		84	81	78	76
4	94	86	79	75	92	85	79	74	82	77	73		80	76	72		78	75	72	70
5	89	80	73	68	87	79	73	68	77	71	67		75	70	67		73	69	66	65
6	84	74	68	63	82	73	67	63	72	66	62		70	65	62		69	65	61	60
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65	60	57	55
8	75	65	59	54	74	64	58	54	63	58	54		62	57	53		61	57	53	52
9	72	61	55	50	70	61	55	50	60	54	50		59	54	50		58	53	50	48
10	68	58	51	47	67	57	51	47	56	51	47		56	51	47		55	50	47	45

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	234740
5°	228461
10°	210172
15°	184995
20°	158657
25°	133290
30°	107738
35°	81967
40°	58309
45°	38516
50°	23846
55°	15674
60°	14253
65°	13127
70°	12374
75°	11268
80°	10607
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38516 cd/sqm

TEST NUMBER: P1299553

CATALOG NUMBER: P3A17R20W2N902750DE010 E3DLD1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	10.1
10°-20°	226.9	23.9
20°-30°	251.8	26.5
30°-40°	192.1	20.2
40°-50°	98.4	10.4
50°-60°	40.4	4.3
60°-70°	25.2	2.7
70°-80°	14.1	1.5
80°-90°	4.1	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°	574.7	60.6
0°-40°	766.8	80.8
0°-60°	905.5	95.4
0°-90°	948.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	948.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1070	
5°	1038	96
15°	815	227
25°	551	252
35°	306	192
45°	124	98
55°	41	40
65°	25	25
75°	13	14
85°	4	4
90°	0	

TEST NUMBER: P1299553

CATALOG NUMBER: P3A17R20W2N902750DE010 E3DLD1MW_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1070.5
1°	1071.7
2°	1066.9
3°	1060.8
4°	1051.2
5°	1037.9
6°	1022.3
7°	1005.4
8°	987.3
9°	965.6
10°	943.9
12.5°	881.2
15°	814.9
17.5°	747.4
20°	679.9
22.5°	612.4
25°	550.9
27.5°	489.4
30°	425.5
32.5°	365.3
35°	306.2
37.5°	254.4
40°	203.7
42.5°	160.3
45°	124.2
47.5°	94.0
50°	69.9
52.5°	51.8
55°	41.0
57.5°	37.4
60°	32.5
62.5°	28.9
65°	25.3
67.5°	21.7
70°	19.3
72.5°	15.7
75°	13.3
77.5°	10.8
80°	8.4
82.5°	6.0
85°	3.6
87.5°	1.2
90°	0.0

(END OF REPORT)