

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: P1299508

Luminaire Tested: P3A17R20W2N902750DE010 E3D1WMH_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299508
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902750DE010 E3D1WMH_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

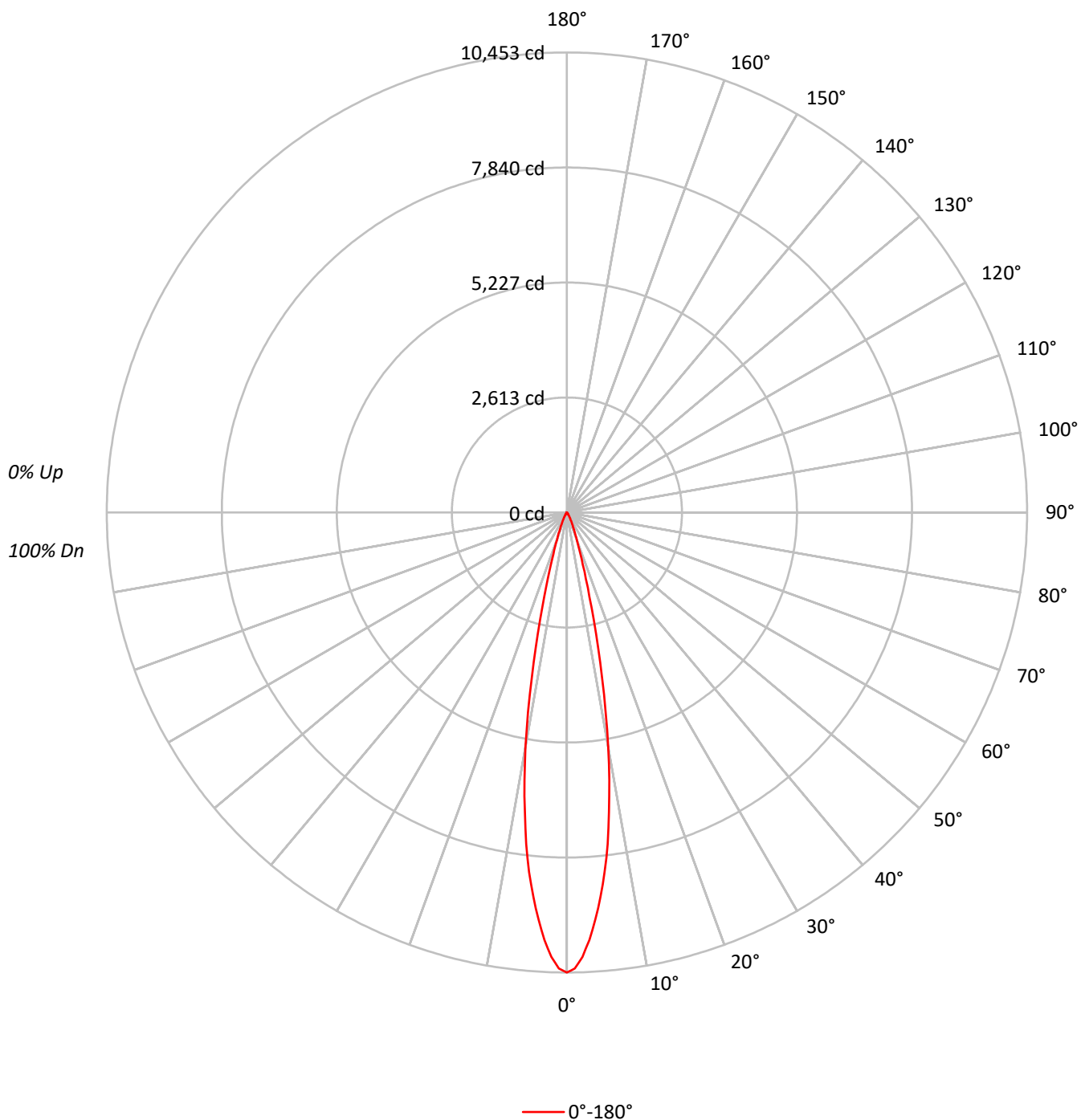
Lumens per Lamp: N/A
Luminaire Lumens: 1511.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1299508

CATALOG NUMBER: P3A17R20W2N902750DE010 E3D1WMH_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1299508

CATALOG NUMBER: P3A17R20W2N902750DE010 E3D1WMH_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	115	114	112	110	113	111	110	108	107	106	105		104	103	102		100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99	98	96	95
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97	95	94	93
4	106	101	98	95	105	100	97	95	99	96	94		97	95	93		95	93	92	91
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93	91	90	89
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		92	89	88	87
7	99	93	90	87	98	93	89	87	92	89	86		91	88	86		90	87	86	85
8	97	91	87	85	96	91	87	85	90	87	85		89	86	84		88	86	84	83
9	95	89	85	83	94	89	85	83	88	85	83		87	84	83		87	84	82	81
10	93	87	84	81	92	87	83	81	86	83	81		86	83	81		85	83	81	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2292075
5°	1929821
10°	1205344
15°	450627
20°	154690
25°	64455
30°	30359
35°	13599
40°	6412
45°	3287
50°	1194
55°	229
60°	263
65°	311
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3287 cd/sqm

TEST NUMBER: P1299508

CATALOG NUMBER: P3A17R20W2N902750DE010 E3D1WMH_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.1	48.3
10°-20°	600.5	39.7
20°-30°	136.5	9.0
30°-40°	34.7	2.3
40°-50°	8.7	0.6
50°-60°	1.1	0.1
60°-70°	0.4	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°	1466.1	97.0
0°-40°	1500.8	99.3
0°-60°	1510.6	100.0
0°-90°	1511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1511.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10453	
5°	8767	729
15°	1985	601
25°	266	136
35°	51	35
45°	11	9
55°	1	1
65°	1	0
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1299508

CATALOG NUMBER: P3A17R20W2N902750DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	10452.7
1°	10364.0
2°	10102.9
3°	9728.4
4°	9268.7
5°	8767.2
6°	8208.3
7°	7591.5
8°	6871.9
9°	6158.9
10°	5413.3
11°	4619.9
12°	3827.7
13°	3156.5
14°	2514.9
15°	1985.0
16°	1566.7
17°	1235.9
18°	993.1
19°	807.6
20°	662.9
21°	554.2
22°	462.6
23°	384.6
24°	320.8
25°	266.4
27.5°	174.3
30°	119.9
32.5°	73.8
35°	50.8
37.5°	32.5
40°	22.4
42.5°	15.4
45°	10.6
47.5°	7.1
50°	3.5
52.5°	1.8
55°	0.6
57.5°	0.6
60°	0.6
62.5°	0.6
65°	0.6
67.5°	0.0
70°	0.0
72.5°	0.0



TEST NUMBER: P1299508

CATALOG NUMBER: P3A17R20W2N902750DE010 E3D1WMH_5000K

CANDELA DISTRIBUTION (continued):

	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)