

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: P1299542

Luminaire Tested: P3A17R20W2N902750DE010 E3DLD1H_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299542
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 E3DLD1H_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

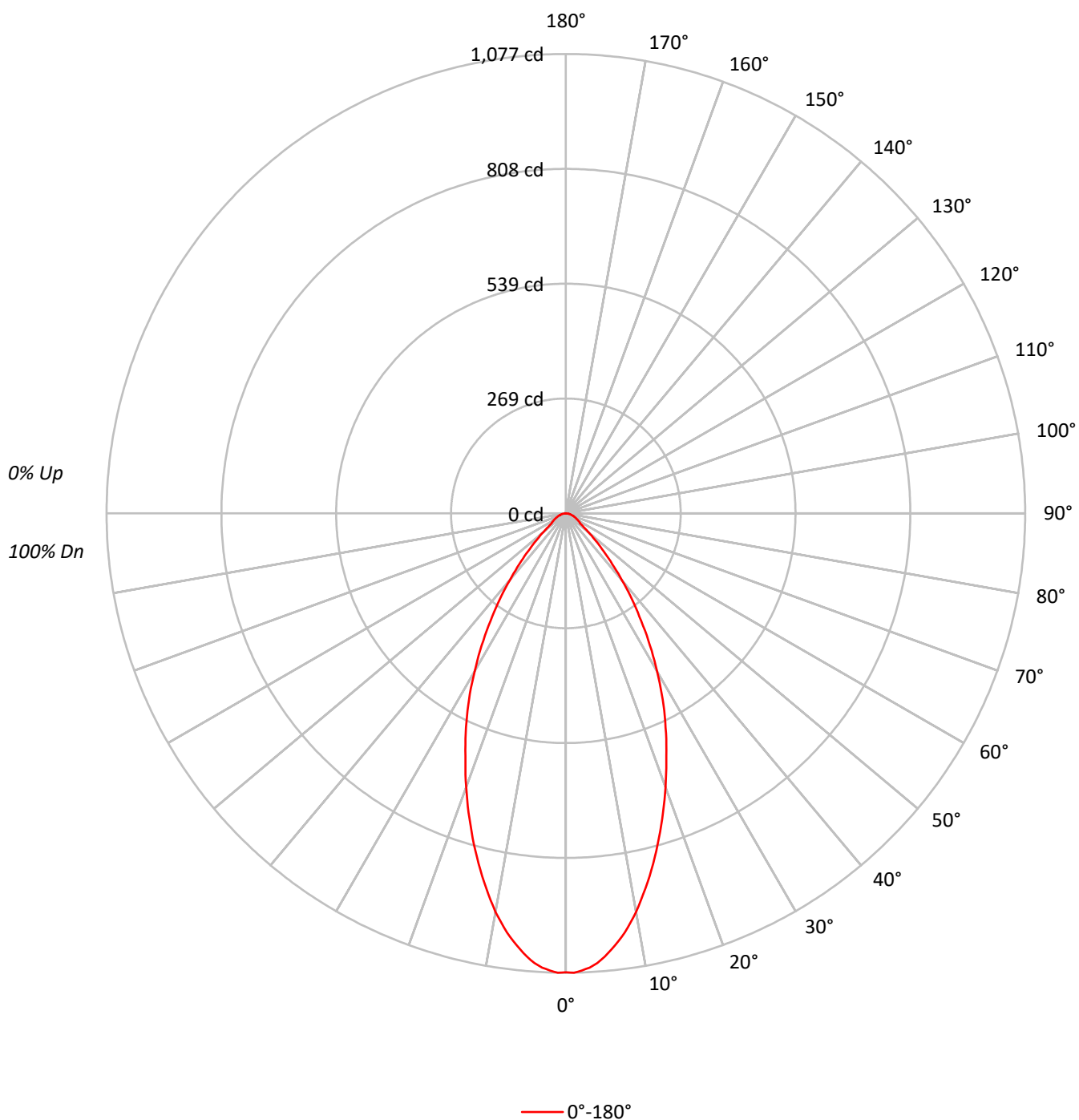
Lumens per Lamp: N/A
Luminaire Lumens: 954.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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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			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°	235968
5°	229671
10°	211285
15°	185972
20°	159497
25°	133992
30°	108320
35°	82396
40°	58624
45°	38702
50°	23982
55°	15751
60°	14341
65°	13179
70°	12438
75°	11268
80°	10734
85°	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 38702 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.5	10.1
10°-20°	228.1	23.9
20°-30°	253.1	26.5
30°-40°	193.1	20.2
40°-50°	98.9	10.4
50°-60°	40.6	4.3
60°-70°	25.3	2.7
70°-80°	14.2	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°	577.7	60.6
0°-40°	770.8	80.8
0°-60°	910.3	95.4
0°-90°	954.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	954.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1076	
5°	1043	97
15°	819	228
25°	554	253
35°	308	193
45°	125	99
55°	41	41
65°	25	25
75°	13	14
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	1076.1
1°	1077.3
2°	1072.5
3°	1066.4
4°	1056.7
5°	1043.4
6°	1027.6
7°	1010.7
8°	992.5
9°	970.7
10°	948.9
12.5°	885.9
15°	819.2
17.5°	751.3
20°	683.5
22.5°	615.6
25°	553.8
27.5°	492.0
30°	427.8
32.5°	367.2
35°	307.8
37.5°	255.7
40°	204.8
42.5°	161.2
45°	124.8
47.5°	94.5
50°	70.3
52.5°	52.1
55°	41.2
57.5°	37.6
60°	32.7
62.5°	29.1
65°	25.4
67.5°	21.8
70°	19.4
72.5°	15.8
75°	13.3
77.5°	10.9
80°	8.5
82.5°	6.1
85°	3.6
87.5°	1.2
90°	0.0

(END OF REPORT)