

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: P1288159

Luminaire Tested: P3A05R20W2N902750DE010 E3DLD1LI_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1288159
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: P3A05R20W2N902750DE010 E3DLD1LI_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3DLD1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

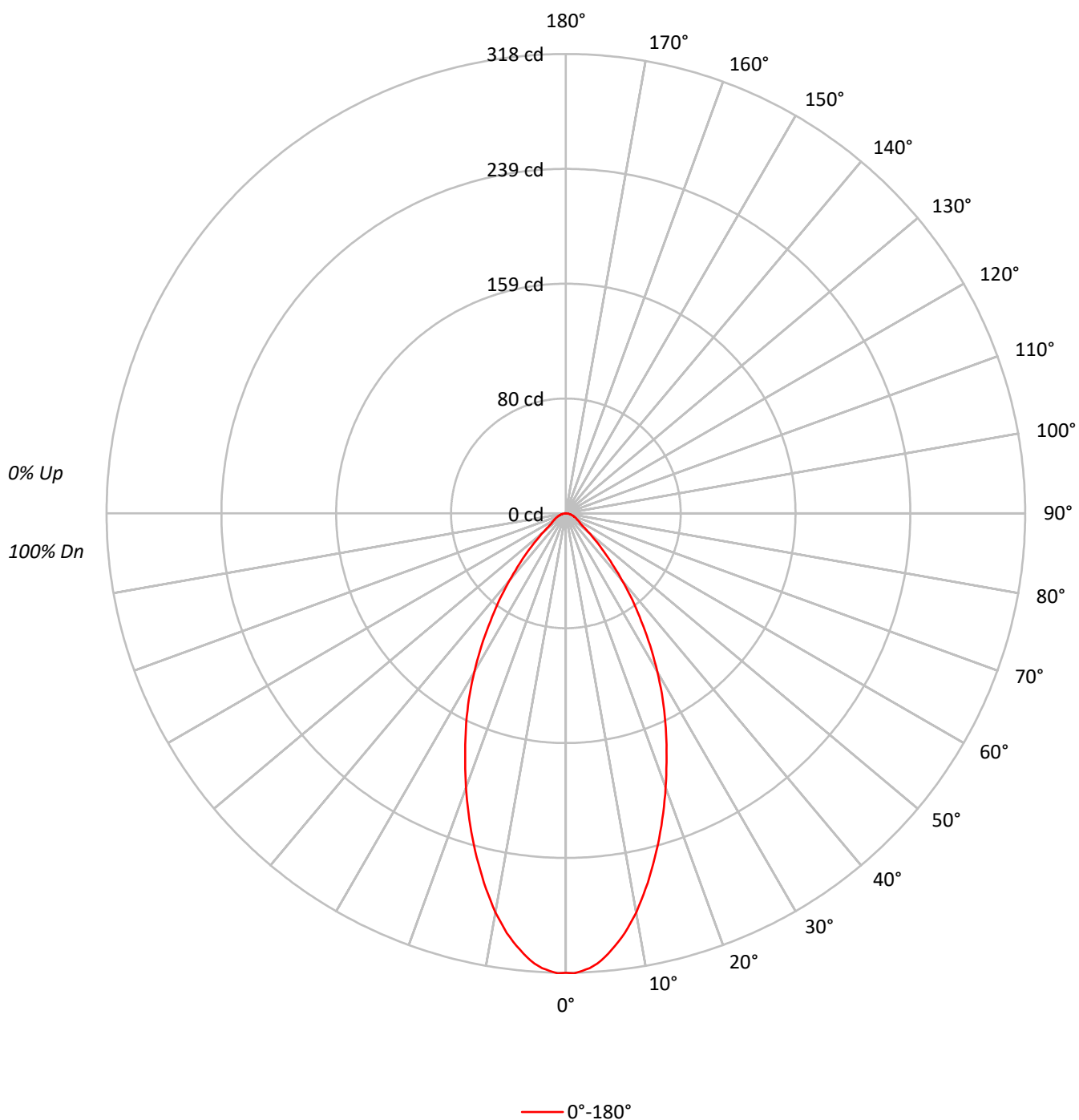
Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 47.8 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P1288159

CATALOG NUMBER: P3A05R20W2N902750DE010 E3DLD1LI_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1288159

CATALOG NUMBER: P3A05R20W2N902750DE010 E3DLD1LI_2700K

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°	69753
5°	67884
10°	62457
15°	54983
20°	47137
25°	39607
30°	32030
35°	24360
40°	17318
45°	11443
50°	7096
55°	4664
60°	4254
65°	3891
70°	3654
75°	3304
80°	3157
85°	2768

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 11443 cd/sqm

TEST NUMBER: P1288159

CATALOG NUMBER: P3A05R20W2N902750DE010 E3DLD1LI_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	10.1
10°-20°	67.4	23.9
20°-30°	74.8	26.5
30°-40°	57.1	20.2
40°-50°	29.2	10.4
50°-60°	12.0	4.3
60°-70°	7.5	2.6
70°-80°	4.2	1.5
80°-90°	1.2	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°	170.8	60.6
0°-40°	227.9	80.8
0°-60°	269.1	95.4
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	318	
5°	308	29
15°	242	67
25°	164	75
35°	91	57
45°	37	29
55°	12	12
65°	8	7
75°	4	4
85°	1	1
90°	0	

TEST NUMBER: P1288159

CATALOG NUMBER: P3A05R20W2N902750DE010 E3DLD1LI_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	318.1
1°	318.5
2°	317.0
3°	315.2
4°	312.4
5°	308.4
6°	303.8
7°	298.8
8°	293.4
9°	286.9
10°	280.5
12.5°	261.9
15°	242.2
17.5°	222.1
20°	202.0
22.5°	182.0
25°	163.7
27.5°	145.4
30°	126.5
32.5°	108.5
35°	91.0
37.5°	75.6
40°	60.5
42.5°	47.6
45°	36.9
47.5°	27.9
50°	20.8
52.5°	15.4
55°	12.2
57.5°	11.1
60°	9.7
62.5°	8.6
65°	7.5
67.5°	6.4
70°	5.7
72.5°	4.7
75°	3.9
77.5°	3.2
80°	2.5
82.5°	1.8
85°	1.1
87.5°	0.4
90°	0.0

(END OF REPORT)