

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: P1292097

Luminaire Tested: P3A09R20W2N902765DE010 E3DLD1H_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292097
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: P3A09R20W2N902765DE010 E3DLD1H_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

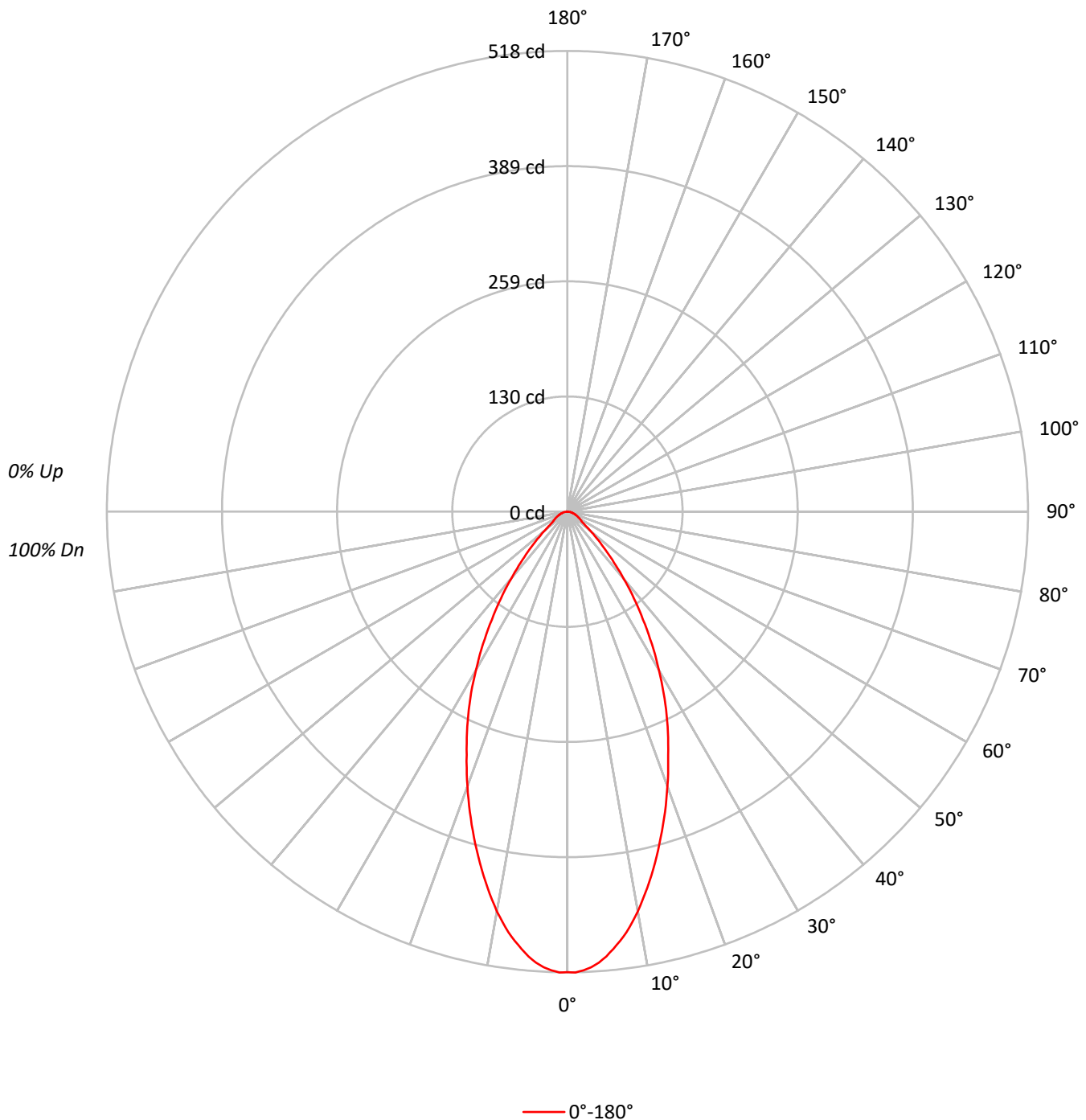
Lumens per Lamp: N/A
Luminaire Lumens: 458.9 lumens
Efficiency: N/A
Efficacy: 51.0 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1292097

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1292097

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_3000K

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	50	30	10
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°	113544
5°	110499
10°	101646
15°	89467
20°	76727
25°	64480
30°	52109
35°	39645
40°	28196
45°	18638
50°	11531
55°	7570
60°	6885
65°	6330
70°	5963
75°	5422
80°	5177
85°	4277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18638 cd/sqm

TEST NUMBER: P1292097

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	10.1
10°-20°	109.7	23.9
20°-30°	121.8	26.5
30°-40°	92.9	20.2
40°-50°	47.6	10.4
50°-60°	19.5	4.3
60°-70°	12.2	2.7
70°-80°	6.8	1.5
80°-90°	2.0	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°	278.0	60.6
0°-40°	370.9	80.8
0°-60°	438.0	95.4
0°-90°	458.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	518	
5°	502	46
15°	394	110
25°	266	122
35°	148	93
45°	60	48
55°	20	20
65°	12	12
75°	6	7
85°	2	2
90°	0	



TEST NUMBER: P1292097

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	517.8
1°	518.3
2°	516.0
3°	513.1
4°	508.4
5°	502.0
6°	494.4
7°	486.3
8°	477.5
9°	467.0
10°	456.5
12.5°	426.2
15°	394.1
17.5°	361.5
20°	328.8
22.5°	296.2
25°	266.5
27.5°	236.7
30°	205.8
32.5°	176.7
35°	148.1
37.5°	123.0
40°	98.5
42.5°	77.5
45°	60.1
47.5°	45.5
50°	33.8
52.5°	25.1
55°	19.8
57.5°	18.1
60°	15.7
62.5°	14.0
65°	12.2
67.5°	10.5
70°	9.3
72.5°	7.6
75°	6.4
77.5°	5.2
80°	4.1
82.5°	2.9
85°	1.7
87.5°	0.6
90°	0.0

(END OF REPORT)