

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: P1292100

Luminaire Tested: P3A09R20W2N902765DE010 E3DLD1H_5000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1292100
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
E3DLD1H TRIM
Light Source: -
Ballast/Driver: -

Summary

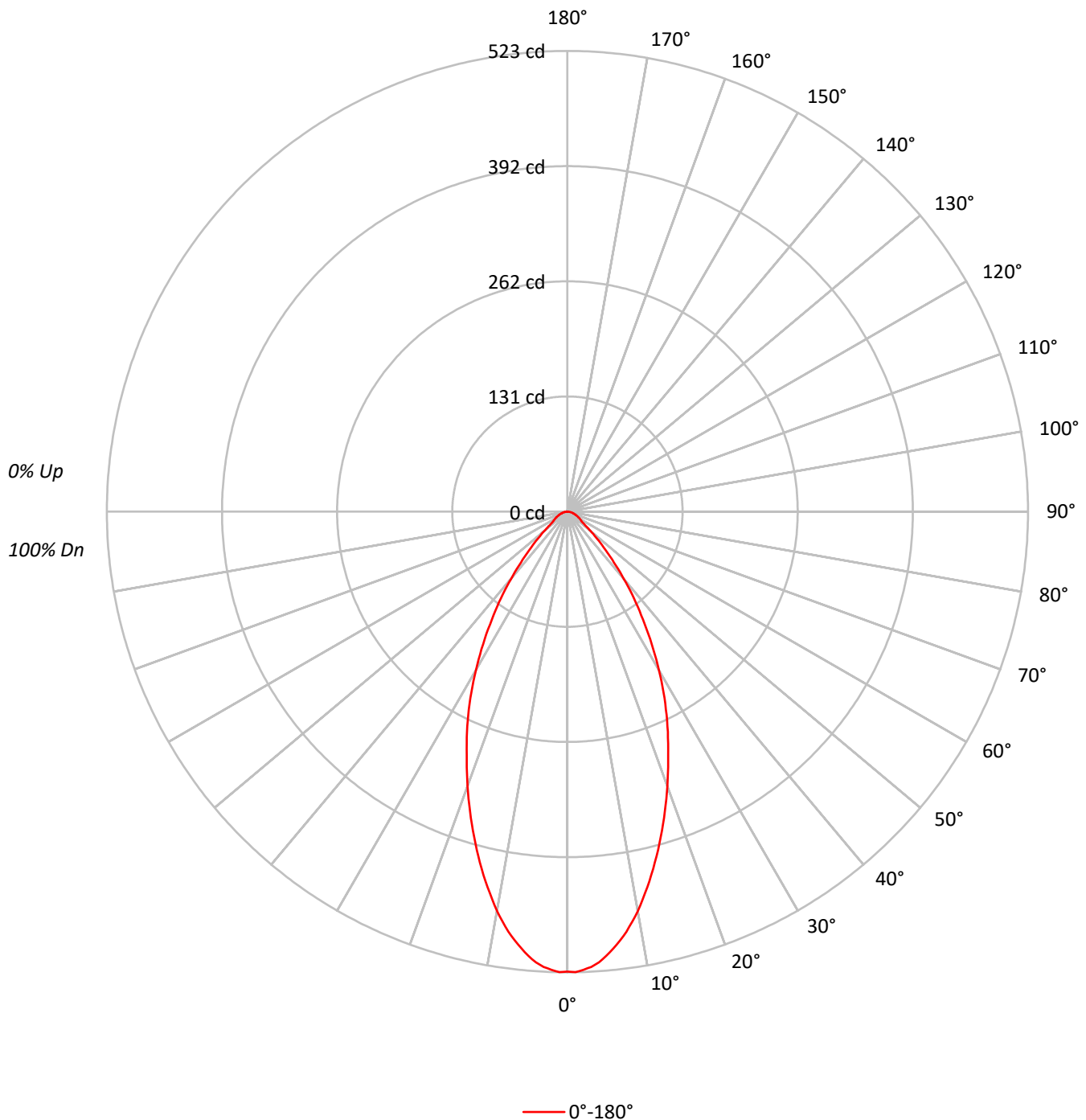
Lumens per Lamp: N/A
Luminaire Lumens: 463.0 lumens
Efficiency: N/A
Efficacy: 51.4 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.83
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1292100

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1292100

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_5000K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	114530
5°	111468
10°	102537
15°	90262
20°	77403
25°	65036
30°	52565
35°	39993
40°	28453
45°	18793
50°	11633
55°	7646
60°	6973
65°	6434
70°	6027
75°	5507
80°	5177
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18793 cd/sqm

TEST NUMBER: P1292100

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	10.1
10°-20°	110.7	23.9
20°-30°	122.9	26.5
30°-40°	93.7	20.2
40°-50°	48.0	10.4
50°-60°	19.7	4.3
60°-70°	12.3	2.7
70°-80°	6.9	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°	280.4	60.6
0°-40°	374.1	80.8
0°-60°	441.8	95.4
0°-90°	463.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	463.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	522	
5°	506	47
15°	398	111
25°	269	123
35°	149	94
45°	61	48
55°	20	20
65°	12	12
75°	6	7
85°	2	2
90°	0	

TEST NUMBER: P1292100

CATALOG NUMBER: P3A09R20W2N902765DE010 E3DLD1H_5000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	522.3
1°	522.9
2°	520.5
3°	517.6
4°	512.9
5°	506.4
6°	498.7
7°	490.5
8°	481.7
9°	471.1
10°	460.5
12.5°	429.9
15°	397.6
17.5°	364.6
20°	331.7
22.5°	298.8
25°	268.8
27.5°	238.8
30°	207.6
32.5°	178.2
35°	149.4
37.5°	124.1
40°	99.4
42.5°	78.2
45°	60.6
47.5°	45.9
50°	34.1
52.5°	25.3
55°	20.0
57.5°	18.2
60°	15.9
62.5°	14.1
65°	12.4
67.5°	10.6
70°	9.4
72.5°	7.6
75°	6.5
77.5°	5.3
80°	4.1
82.5°	2.9
85°	1.8
87.5°	0.6
90°	0.0

(END OF REPORT)