

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: P1291924

Luminaire Tested: P3A09R20W2N902750DE010 E3DL1H_2700K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1291924
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A09R20W2N902750DE010 E3DL1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

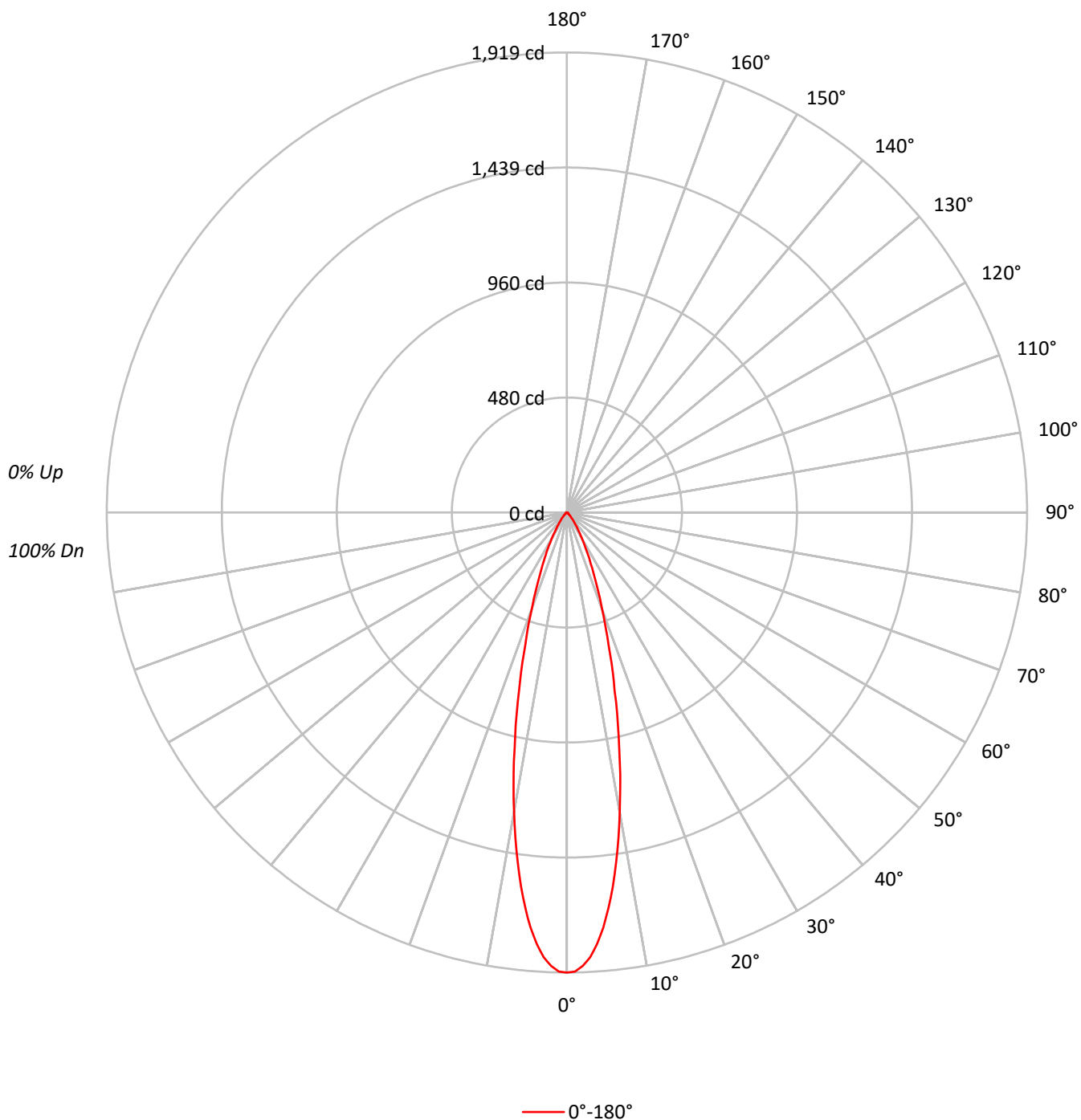
Lumens per Lamp: N/A
Luminaire Lumens: 547.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1291924

CATALOG NUMBER: P3A09R20W2N902750DE010 E3DL1H_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1291924

CATALOG NUMBER: P3A09R20W2N902750DE010 E3DL1H_2700K

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95		
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91		
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87		
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83		
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79		
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76		
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73		
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71		
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68		
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	420843
5°	382566
10°	282738
15°	174893
20°	99875
25°	57027
30°	31980
35°	17400
40°	9532
45°	5241
50°	3070
55°	2217
60°	2105
65°	1920
70°	1667
75°	1779
80°	1389
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5241 cd/sqm

TEST NUMBER: P1291924

CATALOG NUMBER: P3A09R20W2N902750DE010 E3DL1H_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	27.5
10°-20°	214.8	39.3
20°-30°	112.2	20.5
30°-40°	43.4	7.9
40°-50°	14.1	2.6
50°-60°	5.6	1.0
60°-70°	3.7	0.7
70°-80°	2.1	0.4
80°-90°	0.7	0.1
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°	477.5	87.3
0°-40°	520.9	95.2
0°-60°	540.5	98.8
0°-90°	547.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	547.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1919	
5°	1738	151
15°	770	215
25°	236	112
35°	65	43
45°	17	14
55°	6	6
65°	4	4
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1291924

CATALOG NUMBER: P3A09R20W2N902750DE010 E3DL1H_2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1919.2
1°	1915.5
2°	1892.8
3°	1858.0
4°	1804.1
5°	1738.0
6°	1659.8
7°	1573.1
8°	1472.7
9°	1375.0
10°	1269.8
12.5°	1009.3
15°	770.4
17.5°	576.5
20°	428.0
22.5°	317.1
25°	235.7
27.5°	173.9
30°	126.3
32.5°	91.4
35°	65.0
37.5°	47.0
40°	33.3
42.5°	23.8
45°	16.9
47.5°	12.2
50°	9.0
52.5°	6.9
55°	5.8
57.5°	5.3
60°	4.8
62.5°	4.2
65°	3.7
67.5°	3.2
70°	2.6
72.5°	2.6
75°	2.1
77.5°	1.6
80°	1.1
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)