

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: P1295721

Luminaire Tested: P3A13R20W2N902750DE010 E3DL1H_3500K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295721
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: P3A13R20W2N902750DE010 E3DL1H_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

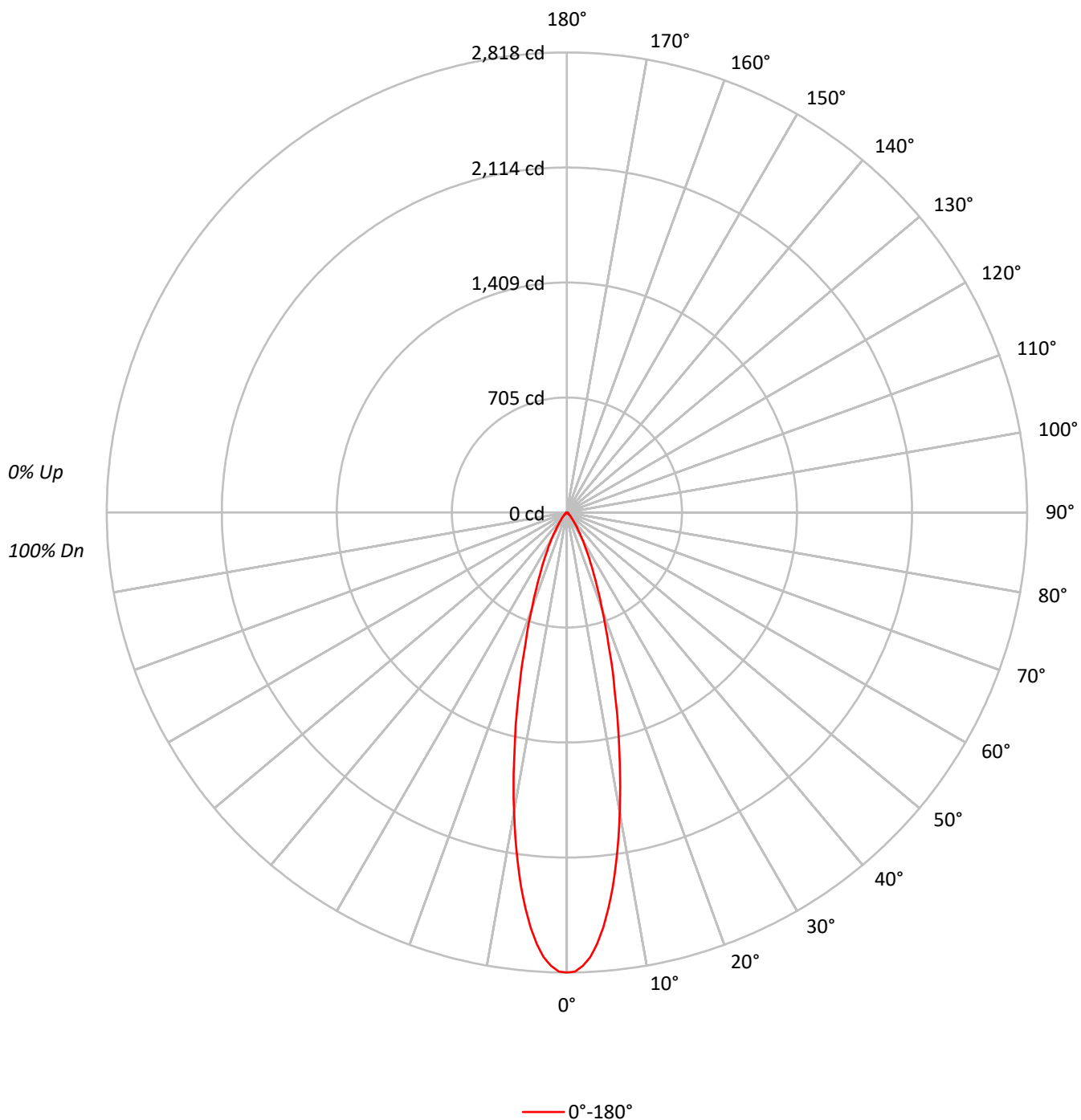
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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: P1295721

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1H_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P1295721

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1H_3500K

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	0		
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°	617823
5°	561610
10°	415067
15°	256755
20°	146616
25°	83715
30°	46944
35°	25538
40°	13998
45°	7691
50°	4503
55°	3250
60°	3070
65°	2802
70°	2500
75°	2626
80°	2020
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7691 cd/sqm

TEST NUMBER: P1295721

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1H_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.9	27.5
10°-20°	315.4	39.3
20°-30°	164.6	20.5
30°-40°	63.6	7.9
40°-50°	20.6	2.6
50°-60°	8.1	1.0
60°-70°	5.4	0.7
70°-80°	3.2	0.4
80°-90°	1.1	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°	701.0	87.3
0°-40°	764.6	95.2
0°-60°	793.4	98.8
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2818	
5°	2551	221
15°	1131	315
25°	346	165
35°	95	64
45°	25	21
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	

TEST NUMBER: P1295721

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1H_3500K

CANDELA DISTRIBUTION (FULL):

0°	
0°	2817.5
1°	2812.0
2°	2778.7
3°	2727.5
4°	2648.4
5°	2551.4
6°	2436.6
7°	2309.4
8°	2162.0
9°	2018.5
10°	1864.1
12.5°	1481.7
15°	1131.0
17.5°	846.3
20°	628.3
22.5°	465.4
25°	346.0
27.5°	255.2
30°	185.4
32.5°	134.2
35°	95.4
37.5°	69.0
40°	48.9
42.5°	34.9
45°	24.8
47.5°	17.8
50°	13.2
52.5°	10.1
55°	8.5
57.5°	7.8
60°	7.0
62.5°	6.2
65°	5.4
67.5°	4.7
70°	3.9
72.5°	3.9
75°	3.1
77.5°	2.3
80°	1.6
82.5°	1.6
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)