

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: P1295720

Luminaire Tested: P3A13R20W2N902750DE010 E3DL1H_3000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1295720
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
E3DL1H TRIM
Light Source: -
Ballast/Driver: -

Summary

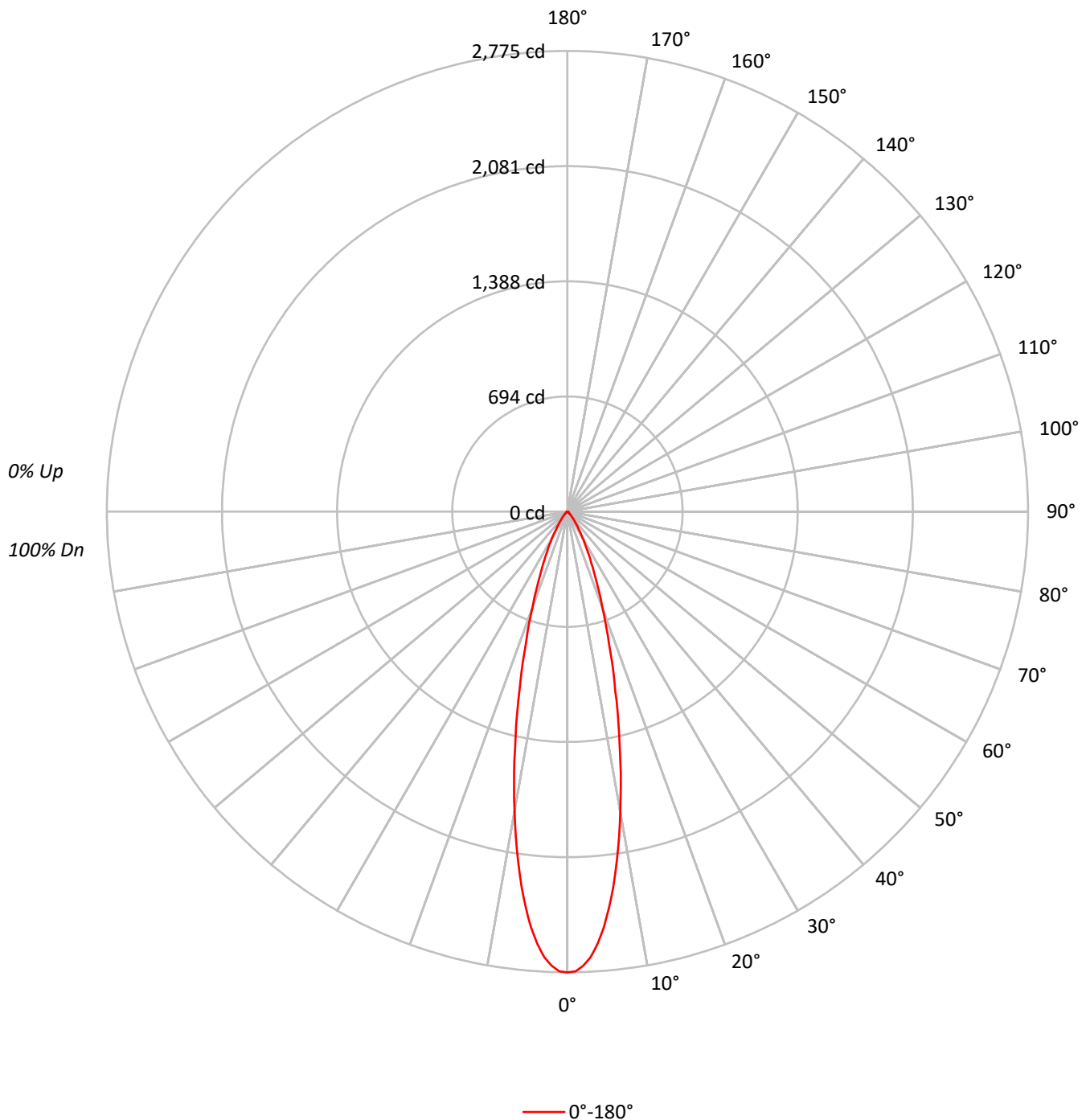
Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.46
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1295720

CATALOG NUMBER: P3A13R20W2N902750DE010 E3DL1H_3000K

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20				20				20
RC	80				70				50				30				10				0				0				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	99	98	97	95	91	87	83	79	76	73	71
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	91	87	83	79	76	73	71	68	67	66	65
2	110	106	102	100	108	104	101	98	101	98	96	98	96	94	95	94	92	91	87	83	79	76	73	71	68	67	66	65	64
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	83	79	76	73	71	68	67	66	65	64	63
4	102	96	91	88	100	95	90	87	92	89	86	91	88	85	89	86	84	83	79	76	73	71	68	67	66	65	64	63	62
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	76	73	71	68	67	66	65	64	63	62	61
6	95	87	83	79	93	87	82	79	85	81	78	84	81	78	83	80	77	76	73	71	68	67	66	65	64	63	62	61	60
7	91	84	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	73	71	68	67	66	65	64	63	62	61	60	59
8	88	81	76	73	87	80	76	73	79	75	72	78	75	72	78	74	72	71	68	67	66	65	64	63	62	61	60	59	58
9	85	78	73	70	85	77	73	70	77	73	70	76	72	69	75	72	69	68	65	64	63	62	61	60	59	58	57	56	55
10	83	75	71	68	82	75	70	67	74	70	67	73	70	67	73	69	67	66	63	62	61	60	59	58	57	56	55	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	608592
5°	553223
10°	408855
15°	252919
20°	144446
25°	82456
30°	46235
35°	25163
40°	13769
45°	7598
50°	4435
55°	3211
60°	3026
65°	2750
70°	2436
75°	2626
80°	1894
85°	2013

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	27.5
10°-20°	310.7	39.3
20°-30°	162.2	20.5
30°-40°	62.7	7.9
40°-50°	20.4	2.6
50°-60°	8.0	1.0
60°-70°	5.3	0.7
70°-80°	3.1	0.4
80°-90°	1.0	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°	690.5	87.3
0°-40°	753.2	95.2
0°-60°	781.5	98.8
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2775	
5°	2513	218
15°	1114	311
25°	341	162
35°	94	63
45°	24	20
55°	8	8
65°	5	5
75°	3	3
85°	1	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	2775.4
1°	2770.0
2°	2737.2
3°	2686.7
4°	2608.8
5°	2513.3
6°	2400.2
7°	2274.9
8°	2129.7
9°	1988.3
10°	1836.2
12.5°	1459.5
15°	1114.1
17.5°	833.7
20°	619.0
22.5°	458.5
25°	340.8
27.5°	251.4
30°	182.6
32.5°	132.2
35°	94.0
37.5°	68.0
40°	48.1
42.5°	34.4
45°	24.5
47.5°	17.6
50°	13.0
52.5°	9.9
55°	8.4
57.5°	7.6
60°	6.9
62.5°	6.1
65°	5.3
67.5°	4.6
70°	3.8
72.5°	3.8
75°	3.1
77.5°	2.3
80°	1.5
82.5°	1.5
85°	0.8
87.5°	0.8
90°	0.0

(END OF REPORT)