

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: P1300830

Luminaire Tested: P3A17R40W2N902750DE010 E3DL1WH_4000K

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1300830
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R40W2N902750DE010 E3DL1WH_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R40 optic, 4000K CCT AND, 90CRI ,
E3DL1WH TRIM
Light Source: -
Ballast/Driver: -

Summary

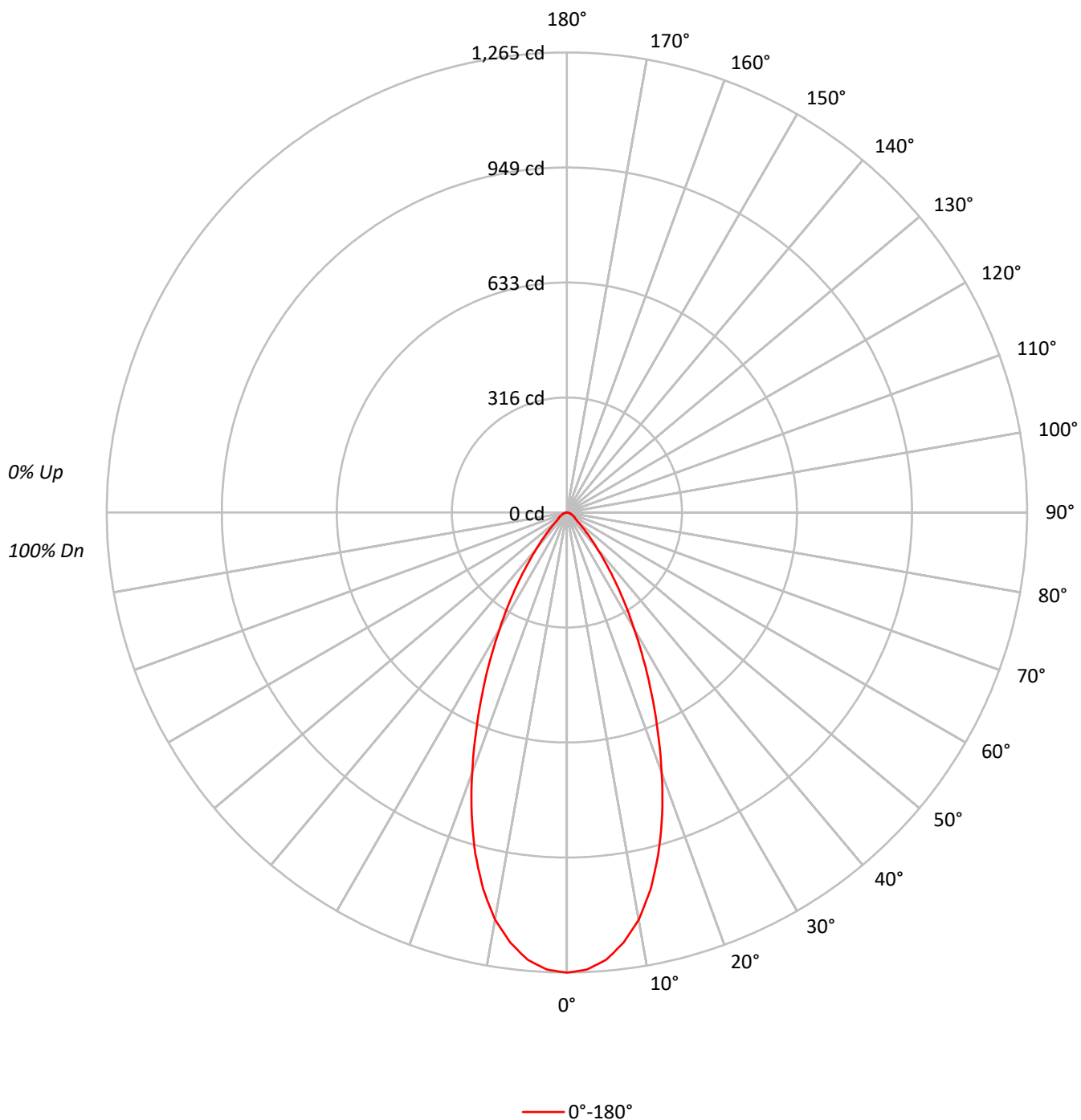
Lumens per Lamp: N/A
Luminaire Lumens: 891.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.73 / 0.73 / 0.74
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 19.4
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: P1300830

CATALOG NUMBER: P3A17R40W2N902750DE010 E3DL1WH_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1300830

CATALOG NUMBER: P3A17R40W2N902750DE010 E3DL1WH_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97	96	95		93
2	107	102	98	95	105	101	97	93	97	94	91		94	92	89		92	89	88		86
3	102	95	90	86	100	94	89	85	91	87	84		89	85	83		86	84	81		80
4	97	89	83	79	95	88	83	79	86	81	78		84	80	77		82	79	76		74
5	92	83	77	73	90	82	77	73	81	76	72		79	75	71		77	74	71		69
6	87	78	72	68	86	78	72	68	76	71	67		75	70	67		73	69	66		65
7	83	74	68	64	82	73	68	64	72	67	63		71	66	63		70	66	62		61
8	79	70	64	60	78	69	64	60	68	63	59		67	63	59		66	62	59		58
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63	59	56		54
10	72	63	57	53	71	62	57	53	62	57	53		61	56	53		60	56	53		51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	277434
5°	271824
10°	253079
15°	220592
20°	177769
25°	133242
30°	93685
35°	61382
40°	37155
45°	22204
50°	13236
55°	10666
60°	9561
65°	8198
70°	7758
75°	6185
80°	6188
85°	6038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22204 cd/sqm

TEST NUMBER: P1300830

CATALOG NUMBER: P3A17R40W2N902750DE010 E3DL1WH_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	12.9
10°-20°	267.6	30.0
20°-30°	252.2	28.3
30°-40°	145.8	16.4
40°-50°	58.1	6.5
50°-60°	25.7	2.9
60°-70°	15.9	1.8
70°-80°	8.3	0.9
80°-90°	2.6	0.3
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°	634.5	71.2
0°-40°	780.3	87.6
0°-60°	864.2	97.0
0°-90°	891.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	891.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1265	
5°	1235	115
15°	972	268
25°	551	252
35°	229	146
45°	72	58
55°	28	26
65°	16	16
75°	7	8
85°	2	3
90°	0	

TEST NUMBER: P1300830

CATALOG NUMBER: P3A17R40W2N902750DE010 E3DL1WH_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	1265.2
2.5°	1257.9
5°	1234.9
7.5°	1192.4
10°	1136.6
12.5°	1061.4
15°	971.7
17.5°	871.0
20°	761.8
22.5°	652.6
25°	550.7
27.5°	456.1
30°	370.0
32.5°	294.8
35°	229.3
37.5°	173.5
40°	129.8
42.5°	97.0
45°	71.6
47.5°	52.2
50°	38.8
52.5°	31.5
55°	27.9
57.5°	25.5
60°	21.8
62.5°	18.2
65°	15.8
67.5°	13.3
70°	12.1
72.5°	9.7
75°	7.3
77.5°	6.1
80°	4.9
82.5°	3.6
85°	2.4
87.5°	1.2
90°	0.0

(END OF REPORT)