

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: P1299725

Luminaire Tested: P3A17R20W2N902765DE010 E3PH1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299725
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902765DE010 E3PH1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 4000K CCT AND, 90CRI ,
E3PH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

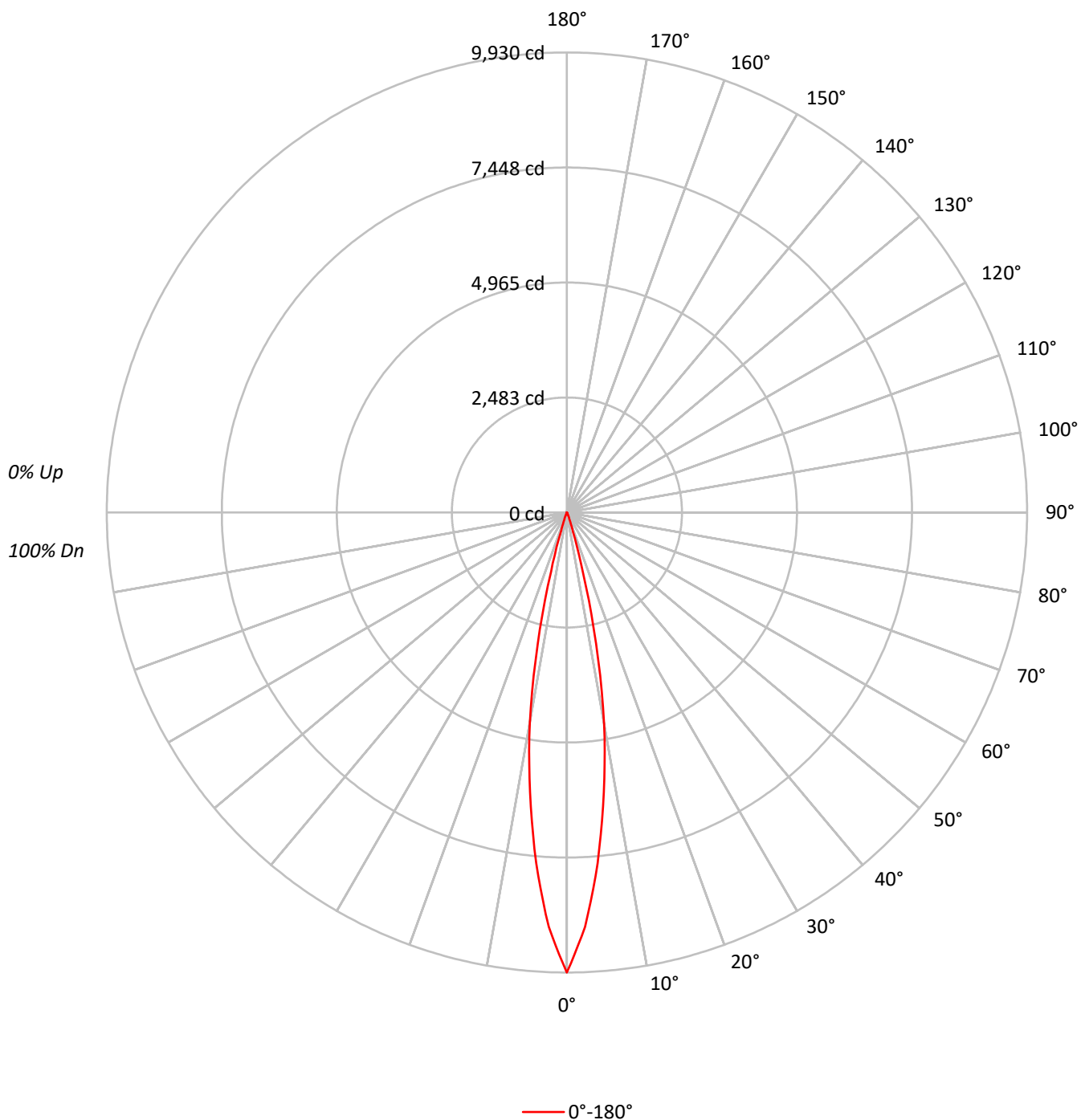
Lumens per Lamp: N/A
Luminaire Lumens: 1095.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.32 / 0.32 / 0.32
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1299725

CATALOG NUMBER: P3A17R20W2N902765DE010 E3PH1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1299725

CATALOG NUMBER: P3A17R20W2N902765DE010 E3PH1MW_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	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101	100	100		98
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100	99	98		97
3	110	107	104	101	109	105	103	101	103	101	99		101	99	98		99	97	96		95
4	108	104	101	98	107	103	100	98	101	98	97		99	97	95		97	96	94		93
5	106	101	98	96	105	100	97	95	99	96	94		97	95	94		96	94	93		92
6	104	99	96	93	103	98	95	93	97	94	93		96	94	92		95	93	91		91
7	102	97	94	92	101	96	93	91	95	93	91		95	92	90		94	92	90		89
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92	90	89		88
9	99	94	90	88	98	93	90	88	92	90	88		92	89	88		91	89	88		87
10	97	92	89	87	96	92	89	87	91	88	87		91	88	87		90	88	86		86

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2177435
5°	1672415
10°	1030331
15°	299843
20°	39997
25°	11856
30°	3545
35°	455
40°	487
45°	0
50°	0
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

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

TEST NUMBER: P1299725

CATALOG NUMBER: P3A17R20W2N902765DE010 E3PH1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	632.7	57.8
10°-20°	431.6	39.4
20°-30°	27.8	2.5
30°-40°	2.7	0.2
40°-50°	0.2	0.0
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1092.1	99.7
0°-40°	1094.8	100.0
0°-60°	1095.0	100.0
0°-90°	1095.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1095.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9930	
5°	7598	633
15°	1321	432
25°	49	28
35°	2	3
45°	0	0
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P1299725

CATALOG NUMBER: P3A17R20W2N902765DE010 E3PH1MW_4000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	9929.9
2.5°	8953.7
5°	7597.8
7.5°	6095.1
10°	4627.3
12.5°	2902.3
15°	1320.8
17.5°	418.1
20°	171.4
22.5°	91.0
25°	49.0
27.5°	24.5
30°	14.0
32.5°	7.0
35°	1.7
37.5°	1.7
40°	1.7
42.5°	0.0
45°	0.0
47.5°	0.0
50°	0.0
52.5°	0.0
55°	0.0
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)