

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: P1299644

Luminaire Tested: P3A17R20W2N902765DE010 E3D1WMH_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1299644
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2501-338-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A17R20W2N902765DE010 E3D1WMH_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
E3D1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

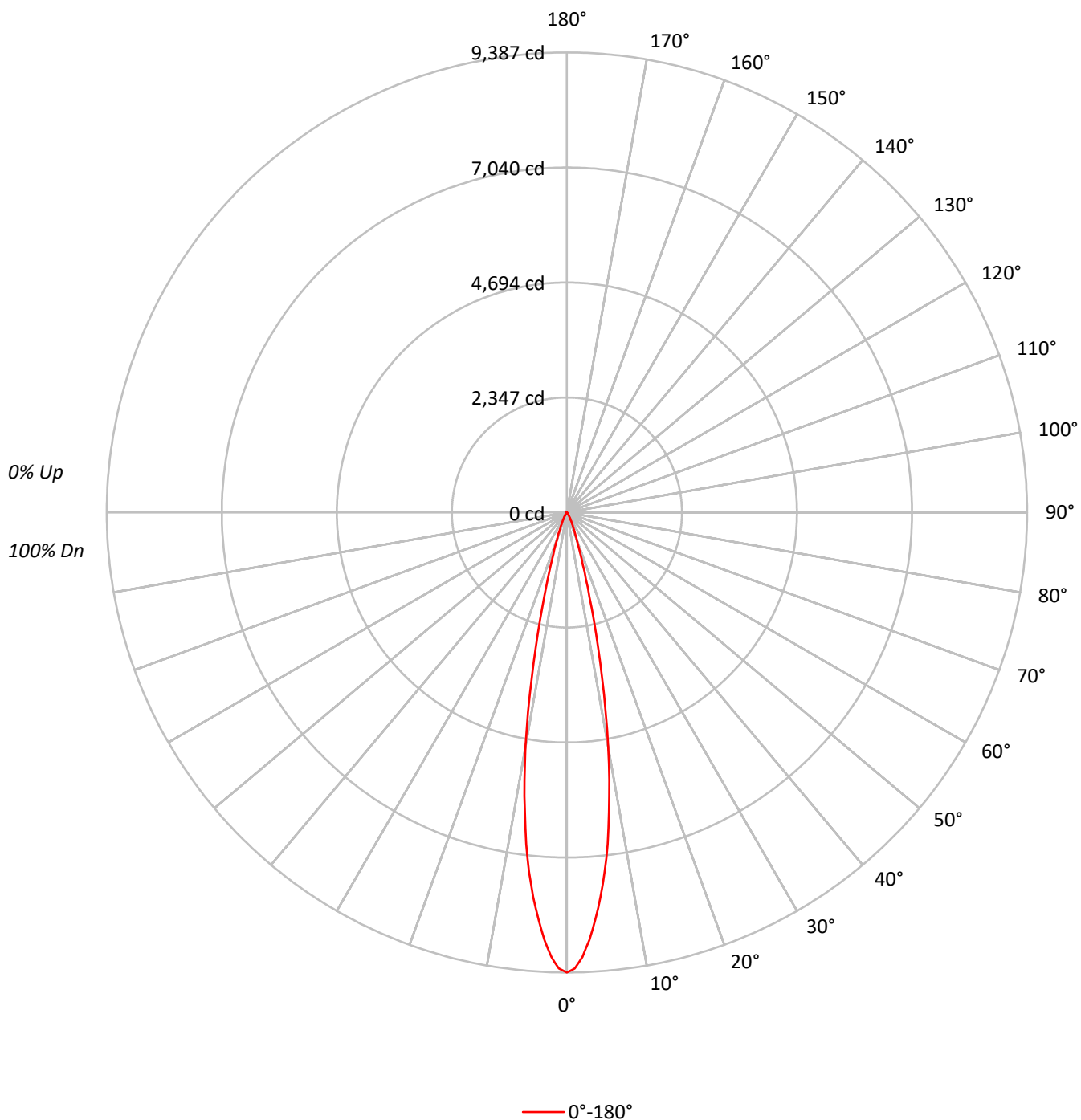
Lumens per Lamp: N/A
Luminaire Lumens: 1357.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.35 / 0.34
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1299644

CATALOG NUMBER: P3A17R20W2N902765DE010 E3D1WMH_2700K

Luminous Intensity Polar Plot



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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	100	100
1	115	114	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	98	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	95	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	90	89	89	89
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	92	89	88	87	87	87
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	91	87	85	90	87	85	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	89	85	83	88	85	83	87	84	83	87	84	82	81	81	81
10	93	87	84	81	92	87	83	81	86	83	81	86	83	81	85	83	81	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2058453
5°	1733123
10°	1082501
15°	404702
20°	138915
25°	57899
30°	27270
35°	12207
40°	5782
45°	2977
50°	1092
55°	191
60°	219
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2977 cd/sqm

TEST NUMBER: P1299644

CATALOG NUMBER: P3A17R20W2N902765DE010 E3D1WMH_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.8	48.3
10°-20°	539.3	39.7
20°-30°	122.6	9.0
30°-40°	31.2	2.3
40°-50°	7.9	0.6
50°-60°	1.0	0.1
60°-70°	0.3	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°	1316.6	97.0
0°-40°	1347.8	99.3
0°-60°	1356.7	100.0
0°-90°	1357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9387	
5°	7874	655
15°	1783	539
25°	239	123
35°	46	31
45°	10	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9387.3
1°	9307.7
2°	9073.2
3°	8736.9
4°	8324.1
5°	7873.6
6°	7371.7
7°	6817.8
8°	6171.6
9°	5531.2
10°	4861.6
11°	4149.0
12°	3437.5
13°	2834.8
14°	2258.6
15°	1782.7
16°	1407.1
17°	1109.9
18°	891.9
19°	725.3
20°	595.3
21°	497.7
22°	415.4
23°	345.4
24°	288.1
25°	239.3
27.5°	156.5
30°	107.7
32.5°	66.3
35°	45.6
37.5°	29.2
40°	20.2
42.5°	13.8
45°	9.6
47.5°	6.4
50°	3.2
52.5°	1.6
55°	0.5
57.5°	0.5
60°	0.5
62.5°	0.5
65°	0.5
67.5°	0.0
70°	0.0
72.5°	0.0



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CANDELA DISTRIBUTION (continued):

	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)