

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: P1265685

Luminaire Tested: P3A20R159730D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R159730D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

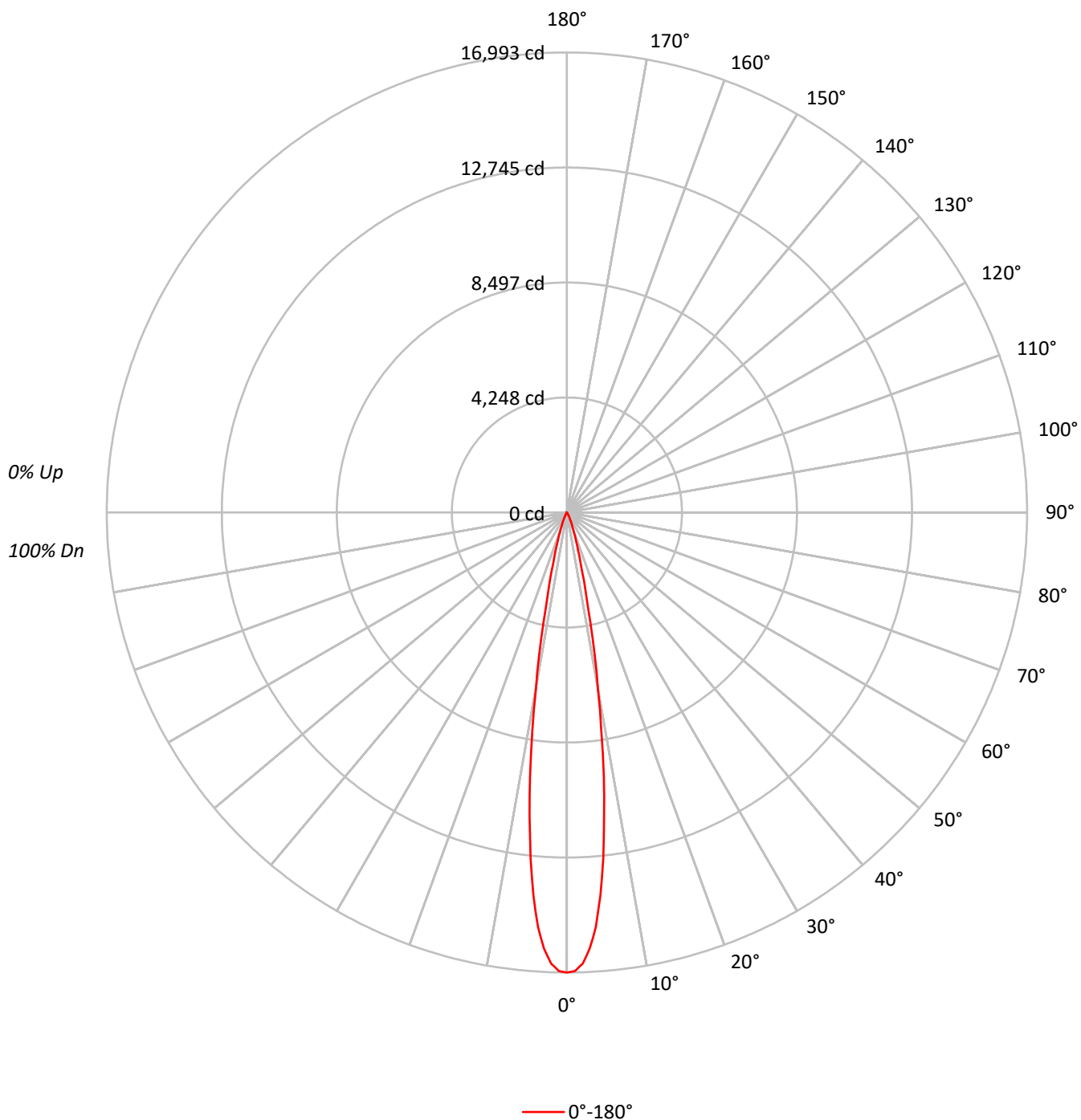
Lumens per Lamp: N/A
Luminaire Lumens: 1916.9 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.3 / 0.3 / 0.29
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	3726193
5°	3122906
10°	1471026
15°	443499
20°	164094
25°	63802
30°	23801
35°	7308
40°	2605
45°	1395
50°	1023
55°	1147
60°	1316
65°	778
70°	962
75°	1271
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1395 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1096.8	57.2
10°-20°	652.0	34.0
20°-30°	136.9	7.1
30°-40°	22.1	1.2
40°-50°	3.7	0.2
50°-60°	2.7	0.1
60°-70°	1.7	0.1
70°-80°	1.0	0.1
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°	1885.8	98.4
0°-40°	1907.9	99.5
0°-60°	1914.3	99.9
0°-90°	1916.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1916.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16993	
5°	14187	###
15°	1954	652
25°	264	137
35°	27	22
45°	4	4
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16992.8
1°	16939.7
2°	16670.0
3°	16130.4
4°	15339.3
5°	14187.4
6°	12834.0
7°	11286.6
8°	9808.9
9°	8135.7
10°	6606.5
12.5°	3564.7
15°	1953.6
17.5°	1144.3
20°	703.2
22.5°	430.4
25°	263.7
27.5°	159.1
30°	94.0
32.5°	53.0
35°	27.3
37.5°	15.2
40°	9.1
42.5°	6.1
45°	4.5
47.5°	3.0
50°	3.0
52.5°	3.0
55°	3.0
57.5°	3.0
60°	3.0
62.5°	1.5
65°	1.5
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)