

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: P1263596

Luminaire Tested: P3A20R659727D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1263596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R659727D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 97CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

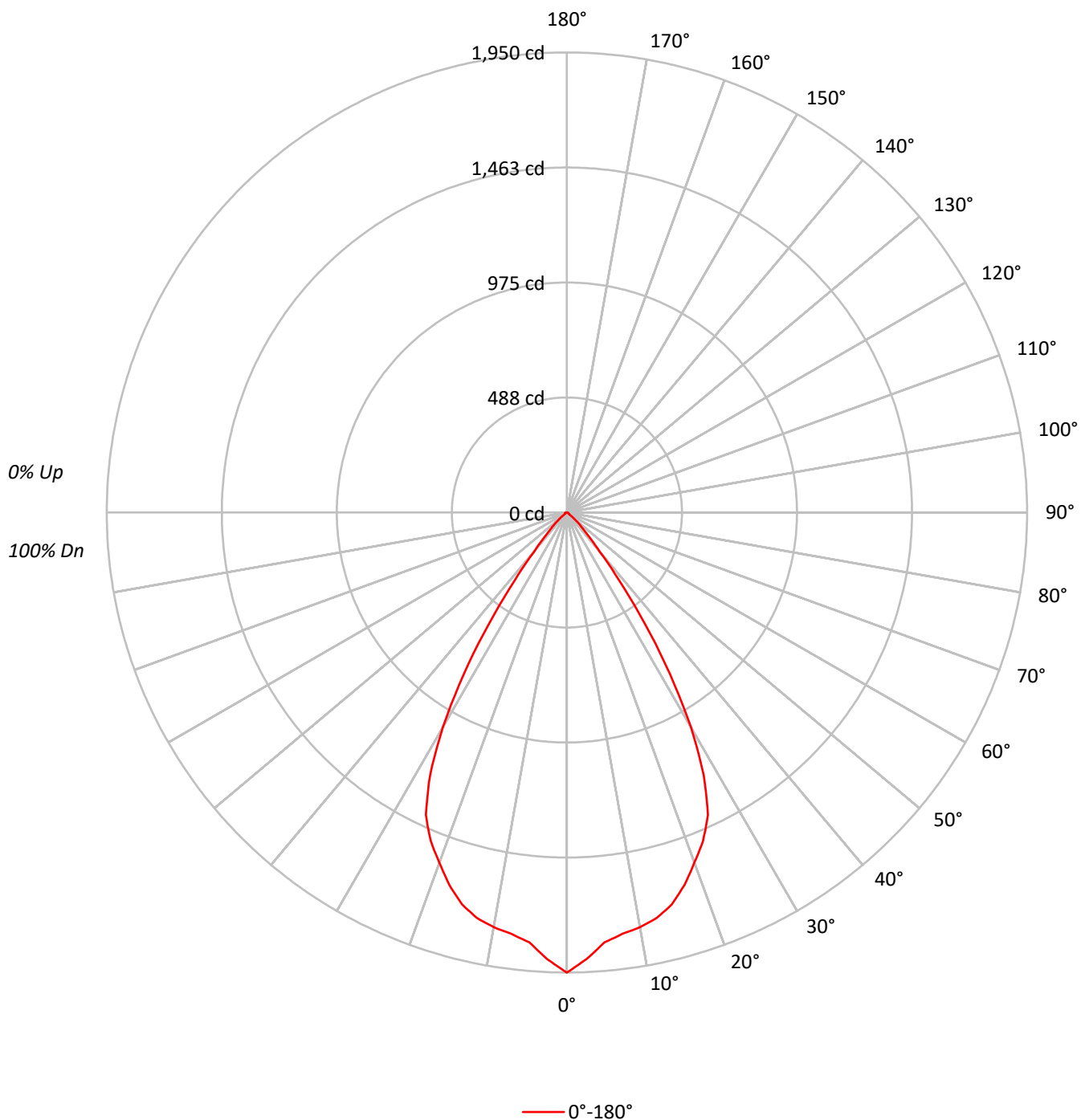
Lumens per Lamp: N/A
Luminaire Lumens: 1750.0 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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
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		
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94		
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87		
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81		
4	97	90	84	80	96	89	84	80	87	82	79	85	81	78	83	80	77	75		
5	93	84	78	74	91	83	78	74	82	77	73	80	76	73	78	75	72	70		
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62		
8	80	70	64	60	78	69	64	60	68	63	60	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	61	56	53	60	56	53	60	55	52	51		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	427663
5°	402508
10°	397387
15°	390377
20°	368582
25°	342092
30°	265914
35°	153816
40°	61973
45°	28530
50°	11121
55°	4320
60°	3728
65°	3684
70°	3654
75°	3558
80°	3536
85°	3522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28530 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.8	9.9
10°-20°	480.2	27.4
20°-30°	628.6	35.9
30°-40°	364.1	20.8
40°-50°	77.9	4.5
50°-60°	12.7	0.7
60°-70°	7.0	0.4
70°-80°	4.1	0.2
80°-90°	1.5	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°	1282.6	73.3
0°-40°	1646.7	94.1
0°-60°	1737.4	99.3
0°-90°	1750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1750.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1950	
5°	1829	174
15°	1720	480
25°	1414	629
35°	575	364
45°	92	78
55°	11	13
65°	7	7
75°	4	4
85°	1	2
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	1950.3
2.5°	1895.1
5°	1828.6
7.5°	1801.7
10°	1784.7
12.5°	1760.6
15°	1719.6
17.5°	1655.9
20°	1579.5
22.5°	1507.3
25°	1413.9
27.5°	1256.8
30°	1050.2
32.5°	813.8
35°	574.6
37.5°	363.7
40°	216.5
42.5°	135.9
45°	92.0
47.5°	59.4
50°	32.6
52.5°	15.6
55°	11.3
57.5°	9.9
60°	8.5
62.5°	8.5
65°	7.1
67.5°	5.7
70°	5.7
72.5°	4.2
75°	4.2
77.5°	2.8
80°	2.8
82.5°	1.4
85°	1.4
87.5°	1.4
90°	0.0

(END OF REPORT)