

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: P1265846

Luminaire Tested: P3A20R409730D010 E3DL1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1265846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R409730D010 E3DL1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 97CRI , E3DL1MW TRIM
Light Source: -
Ballast/Driver: -

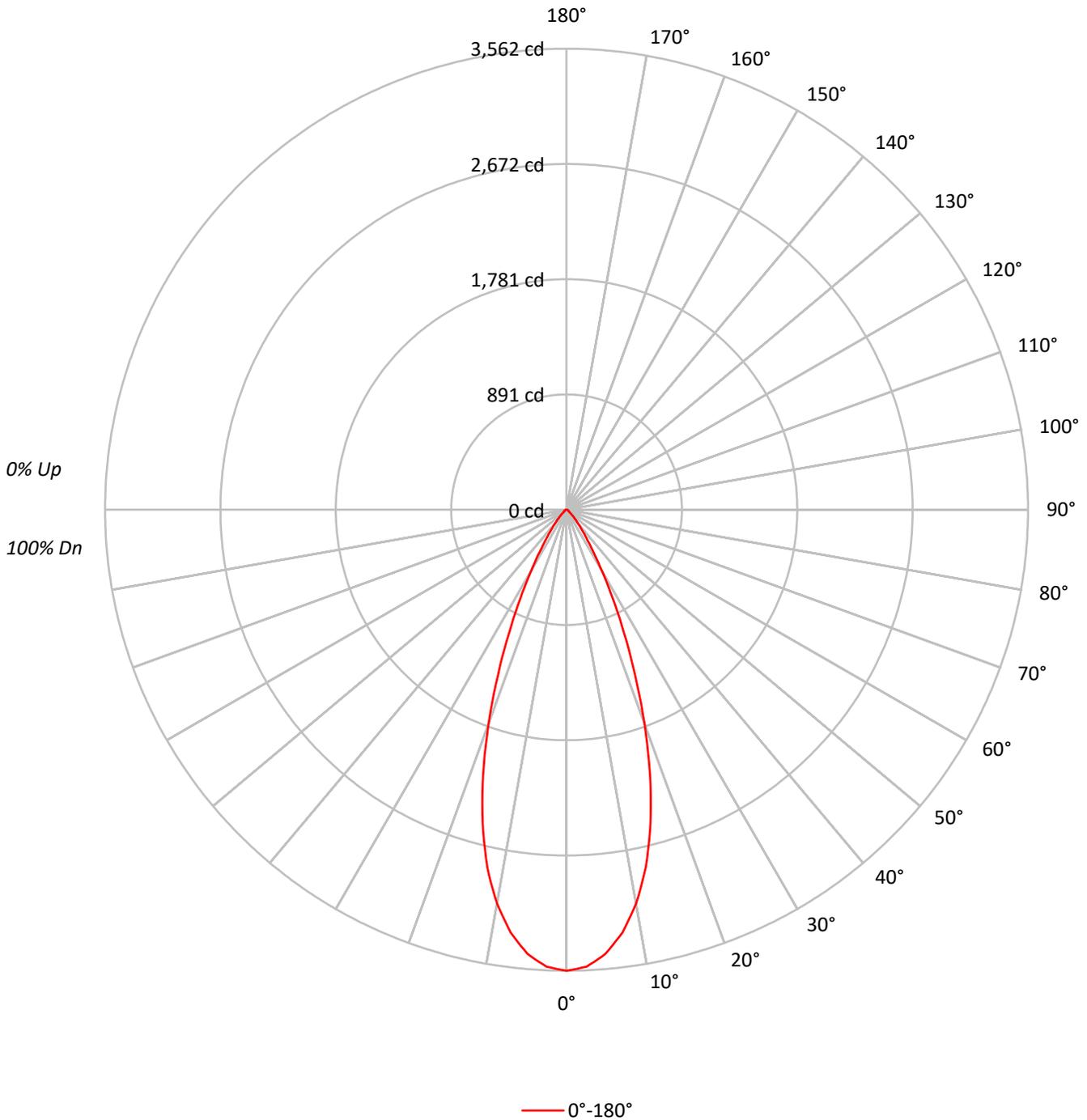
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1765.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
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

TEST NUMBER: P1265846
CATALOG NUMBER: P3A20R409730D010 E3DL1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1265846
 CATALOG NUMBER: P3A20R409730D010 E3DL1MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94	94	94	94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89	89	89	89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84	84	84	84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80	80	80	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76	76	76	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72	72	72	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	69	69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65	65	65	65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63	63	63	63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60	60	60	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	780990
5°	758308
10°	688141
15°	568494
20°	410072
25°	253636
30°	137338
35°	70965
40°	38587
45°	21615
50°	10848
55°	8105
60°	7324
65°	7057
70°	6796
75°	6439
80°	5683
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21615 cd/sqm



TEST NUMBER: P1265846
 CATALOG NUMBER: P3A20R409730D010 E3DL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.6	18.0
10°-20°	681.9	38.6
20°-30°	486.6	27.6
30°-40°	179.2	10.2
40°-50°	56.4	3.2
50°-60°	19.6	1.1
60°-70°	13.5	0.8
70°-80°	8.0	0.5
80°-90°	2.2	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°	1486.1	84.2
0°-40°	1665.2	94.3
0°-60°	1741.3	98.7
0°-90°	1765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1765.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3562	
5°	3445	318
15°	2504	682
25°	1048	487
35°	265	179
45°	70	56
55°	21	20
65°	14	13
75°	8	8
85°	2	2
90°	0	



TEST NUMBER: P1265846
CATALOG NUMBER: P3A20R409730D010 E3DL1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	3561.6
2.5°	3534.4
5°	3445.0
7.5°	3296.5
10°	3090.5
12.5°	2828.4
15°	2504.2
17.5°	2140.6
20°	1757.3
22.5°	1380.1
25°	1048.3
27.5°	769.6
30°	542.4
32.5°	380.3
35°	265.1
37.5°	187.9
40°	134.8
42.5°	97.0
45°	69.7
47.5°	47.0
50°	31.8
52.5°	22.7
55°	21.2
57.5°	19.7
60°	16.7
62.5°	15.1
65°	13.6
67.5°	12.1
70°	10.6
72.5°	9.1
75°	7.6
77.5°	6.1
80°	4.5
82.5°	3.0
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)