

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: P1247805

Luminaire Tested: P3A20R659024D010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247805
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: P3A20R659024D010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R65 optic, 2400K CCT AND, 90CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

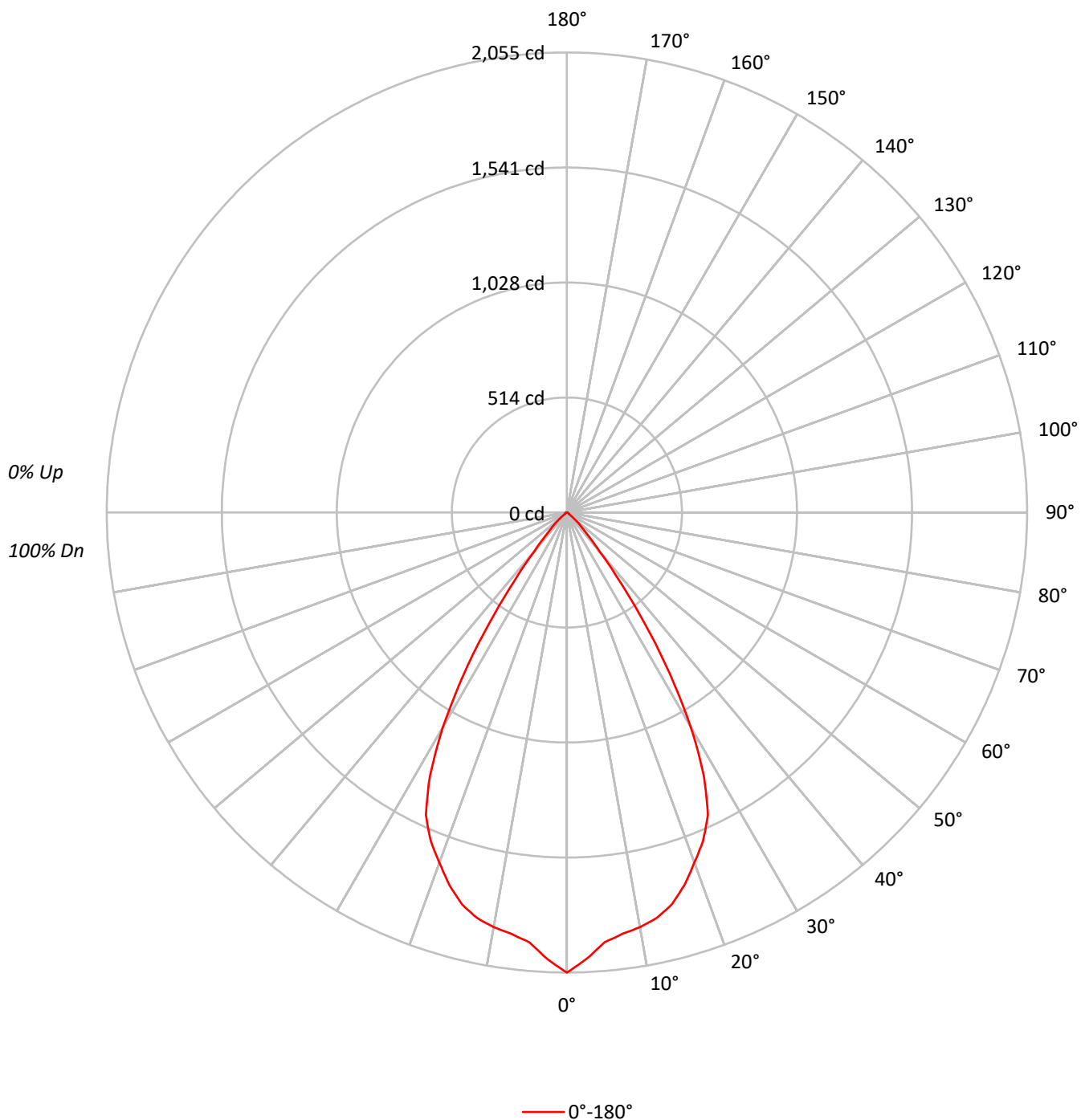
Lumens per Lamp: N/A
Luminaire Lumens: 1844.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.9
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1247805

CATALOG NUMBER: P3A20R659024D010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1247805

CATALOG NUMBER: P3A20R659024D010 E3CD1MB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	93		95	93	91		92
3	103	96	91	87	101	95	90	87	92	88	85		90	87	84		88
4	97	90	84	80	96	89	84	80	87	82	79		85	81	78		83
5	93	84	78	74	91	83	78	74	82	77	73		80	76	73		78
6	88	79	73	69	86	78	73	69	77	72	68		75	71	68		74
7	84	74	68	64	82	74	68	64	72	67	64		71	67	63		70
8	80	70	64	60	78	69	64	60	68	63	60		67	63	59		66
9	76	66	60	56	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	61	56	53		60	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	450644
5°	424124
10°	418741
15°	411353
20°	388370
25°	360456
30°	280195
35°	162088
40°	65322
45°	30050
50°	11701
55°	4549
60°	3903
65°	3891
70°	3847
75°	3813
80°	3788
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30050 cd/sqm

TEST NUMBER: P1247805

CATALOG NUMBER: P3A20R659024D010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.2	9.9
10°-20°	506.0	27.4
20°-30°	662.4	35.9
30°-40°	383.7	20.8
40°-50°	82.1	4.5
50°-60°	13.4	0.7
60°-70°	7.4	0.4
70°-80°	4.4	0.2
80°-90°	1.6	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°	1351.5	73.3
0°-40°	1735.2	94.1
0°-60°	1830.7	99.3
0°-90°	1844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1844.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2055	
5°	1927	183
15°	1812	506
25°	1490	662
35°	606	384
45°	97	82
55°	12	13
65°	8	7
75°	4	4
85°	2	2
90°	0	

TEST NUMBER: P1247805

CATALOG NUMBER: P3A20R659024D010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	2055.1
2.5°	1996.9
5°	1926.8
7.5°	1898.5
10°	1880.6
12.5°	1855.2
15°	1812.0
17.5°	1744.9
20°	1664.3
22.5°	1588.3
25°	1489.8
27.5°	1324.3
30°	1106.6
32.5°	857.5
35°	605.5
37.5°	383.3
40°	228.2
42.5°	143.2
45°	96.9
47.5°	62.6
50°	34.3
52.5°	16.4
55°	11.9
57.5°	10.4
60°	8.9
62.5°	8.9
65°	7.5
67.5°	6.0
70°	6.0
72.5°	4.5
75°	4.5
77.5°	3.0
80°	3.0
82.5°	1.5
85°	1.5
87.5°	1.5
90°	0.0

(END OF REPORT)