

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: P1247775

Luminaire Tested: P3A20R609024D010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1247775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A20R609024D010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

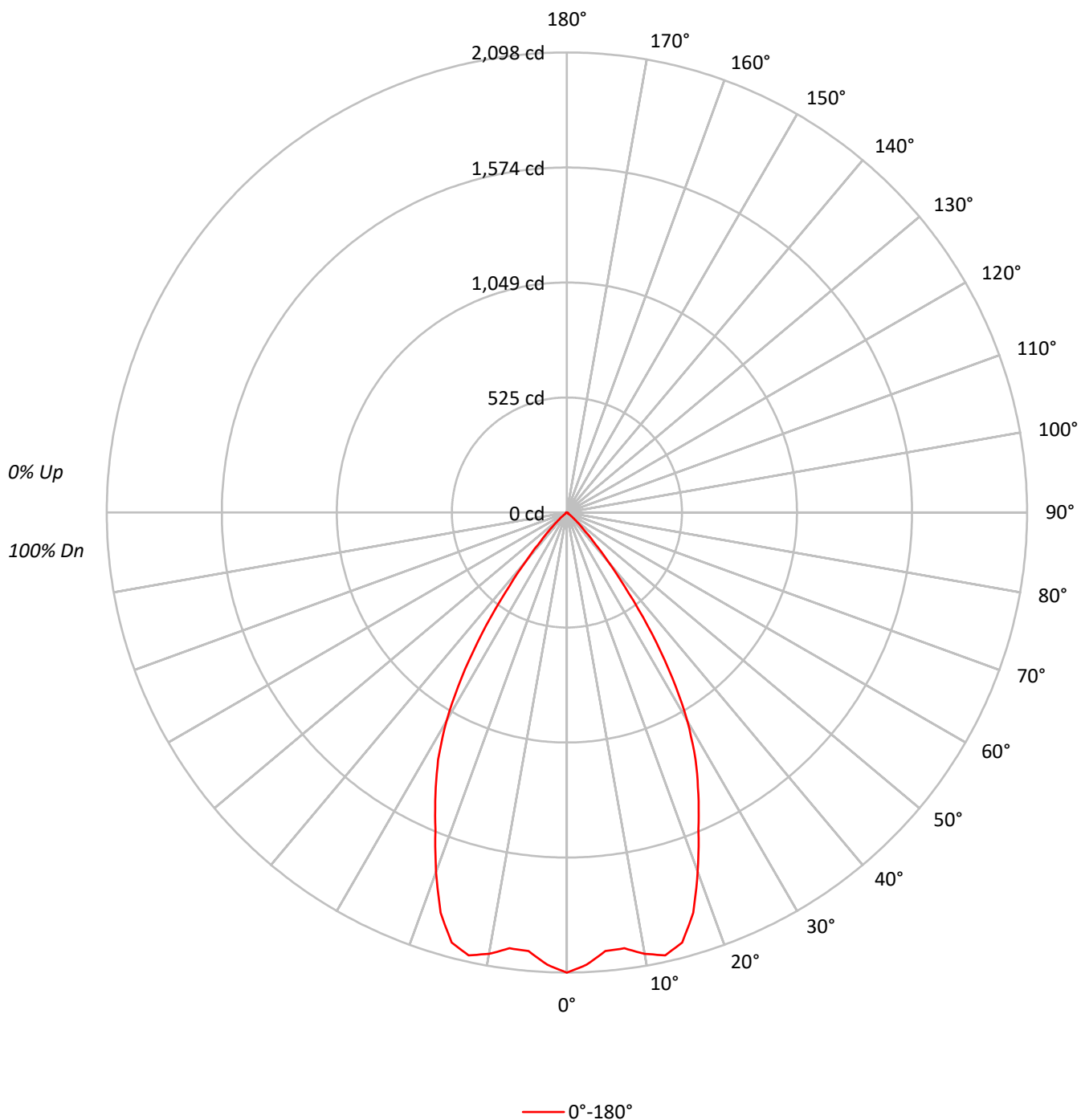
Lumens per Lamp: N/A
Luminaire Lumens: 1927.0 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.91
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1247775

CATALOG NUMBER: P3A20R609024D010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1247775

CATALOG NUMBER: P3A20R609024D010 E3CB1MW

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	100	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	96	91	88	101	95	90	87	92	89	85		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	78		83
5	93	84	79	74	91	84	78	74	82	77	73		80	76	73		79
6	88	79	73	69	87	79	73	69	77	72	68		76	71	68		74
7	84	75	69	64	82	74	68	64	73	68	64		71	67	64		70
8	80	70	64	60	78	70	64	60	69	64	60		68	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	72	63	57	53	71	62	57	53	62	56	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	460161
5°	441909
10°	454968
15°	460820
20°	406922
25°	342939
30°	278119
35°	181121
40°	83184
45°	31879
50°	10678
55°	2867
60°	2631
65°	2335
70°	1923
75°	2542
80°	1894
85°	3774

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31879 cd/sqm

TEST NUMBER: P1247775

CATALOG NUMBER: P3A20R609024D010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.2	10.0
10°-20°	555.9	28.8
20°-30°	648.4	33.6
30°-40°	418.4	21.7
40°-50°	93.7	4.9
50°-60°	9.4	0.5
60°-70°	4.5	0.2
70°-80°	2.6	0.1
80°-90°	1.0	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°	1397.5	72.5
0°-40°	1815.9	94.2
0°-60°	1919.0	99.6
0°-90°	1927.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1927.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2098	
5°	2008	193
15°	2030	556
25°	1417	648
35°	677	418
45°	103	94
55°	8	9
65°	4	4
75°	3	3
85°	2	1
90°	0	

TEST NUMBER: P1247775

CATALOG NUMBER: P3A20R609024D010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2098.5
2.5°	2064.2
5°	2007.6
7.5°	2004.6
10°	2043.3
12.5°	2068.7
15°	2029.9
17.5°	1913.7
20°	1743.8
22.5°	1566.4
25°	1417.4
27.5°	1271.3
30°	1098.4
32.5°	895.7
35°	676.6
37.5°	462.0
40°	290.6
42.5°	174.4
45°	102.8
47.5°	59.6
50°	31.3
52.5°	10.4
55°	7.5
57.5°	6.0
60°	6.0
62.5°	4.5
65°	4.5
67.5°	4.5
70°	3.0
72.5°	3.0
75°	3.0
77.5°	1.5
80°	1.5
82.5°	1.5
85°	1.5
87.5°	0.0
90°	0.0

(END OF REPORT)