

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: P1273243

Luminaire Tested: P3A05R159830DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273243
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R159830DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

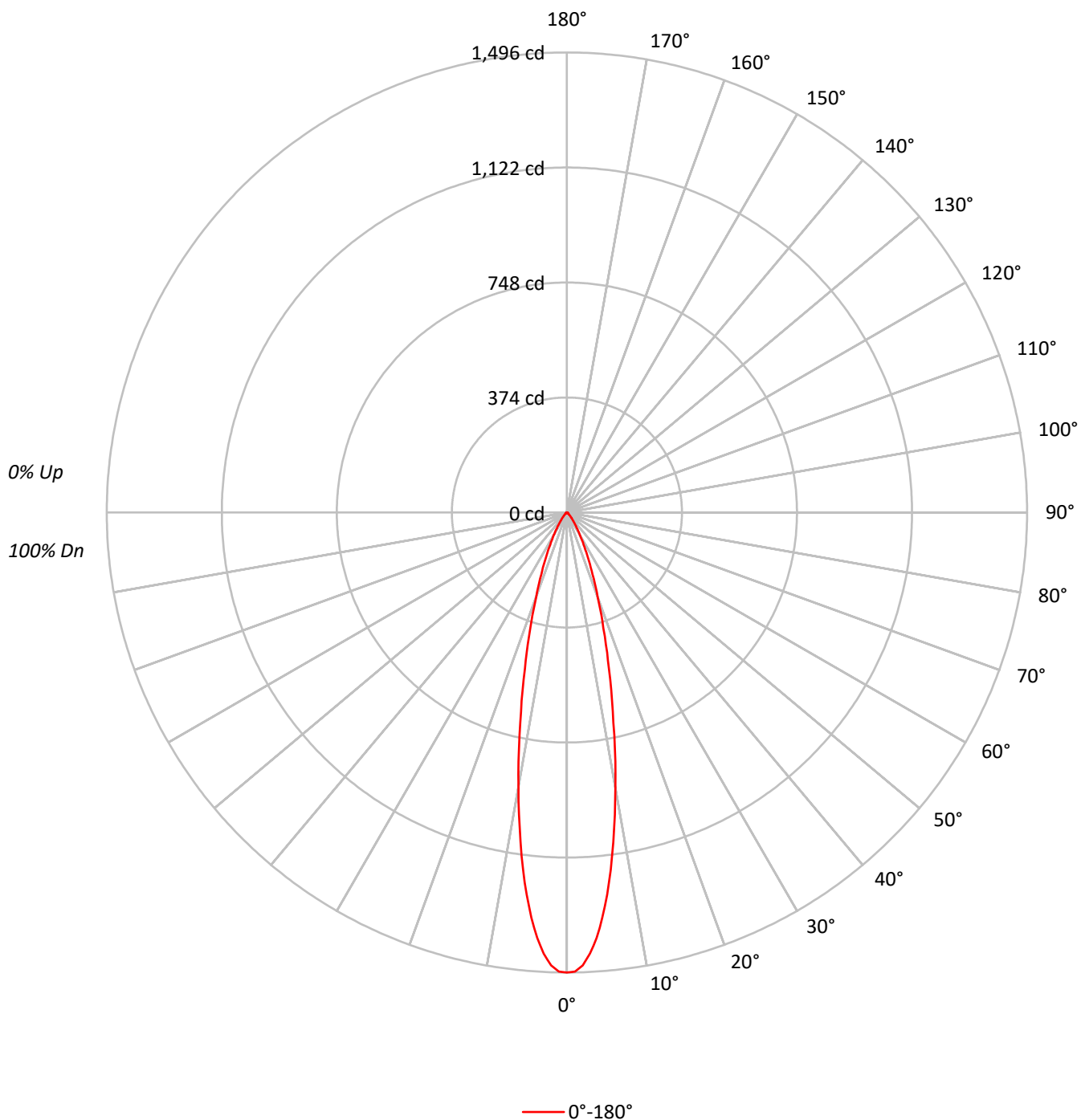
Lumens per Lamp: N/A
Luminaire Lumens: 384.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1273243

CATALOG NUMBER: P3A05R159830DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1273243

CATALOG NUMBER: P3A05R159830DE010 E3DL1WMH

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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89
5	98	92	87	84	97	91	87	83	89	86	83		88	84	82		86
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81
8	89	81	77	74	88	81	77	73	80	76	73		79	76	73		78
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	328044
5°	291172
10°	202223
15°	119592
20°	68116
25°	38930
30°	21548
35°	11484
40°	6355
45°	3442
50°	2149
55°	1682
60°	1447
65°	1349
70°	1154
75°	1271
80°	884
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3442 cd/sqm

TEST NUMBER: P1273243

CATALOG NUMBER: P3A05R159830DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	29.3
10°-20°	148.5	38.7
20°-30°	76.4	19.9
30°-40°	28.7	7.5
40°-50°	9.4	2.4
50°-60°	4.0	1.1
60°-70°	2.6	0.7
70°-80°	1.5	0.4
80°-90°	0.4	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°	337.4	87.9
0°-40°	366.1	95.3
0°-60°	379.5	98.8
0°-90°	384.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	384.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1496	
5°	1323	112
15°	527	148
25°	161	76
35°	43	29
45°	11	9
55°	4	4
65°	3	3
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1273243

CATALOG NUMBER: P3A05R159830DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1496.0
1°	1493.0
2°	1473.4
3°	1436.0
4°	1386.8
5°	1322.8
6°	1250.3
7°	1170.8
8°	1082.4
9°	995.1
10°	908.2
12.5°	698.8
15°	526.8
17.5°	394.3
20°	291.9
22.5°	217.9
25°	160.9
27.5°	117.3
30°	85.1
32.5°	60.3
35°	42.9
37.5°	30.7
40°	22.2
42.5°	15.9
45°	11.1
47.5°	8.1
50°	6.3
52.5°	5.2
55°	4.4
57.5°	3.7
60°	3.3
62.5°	3.0
65°	2.6
67.5°	2.2
70°	1.8
72.5°	1.8
75°	1.5
77.5°	1.1
80°	0.7
82.5°	0.7
85°	0.4
87.5°	0.0
90°	0.0

(END OF REPORT)