

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: P1268944

Luminaire Tested: P3A05R159740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1268944
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: P3A05R159740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

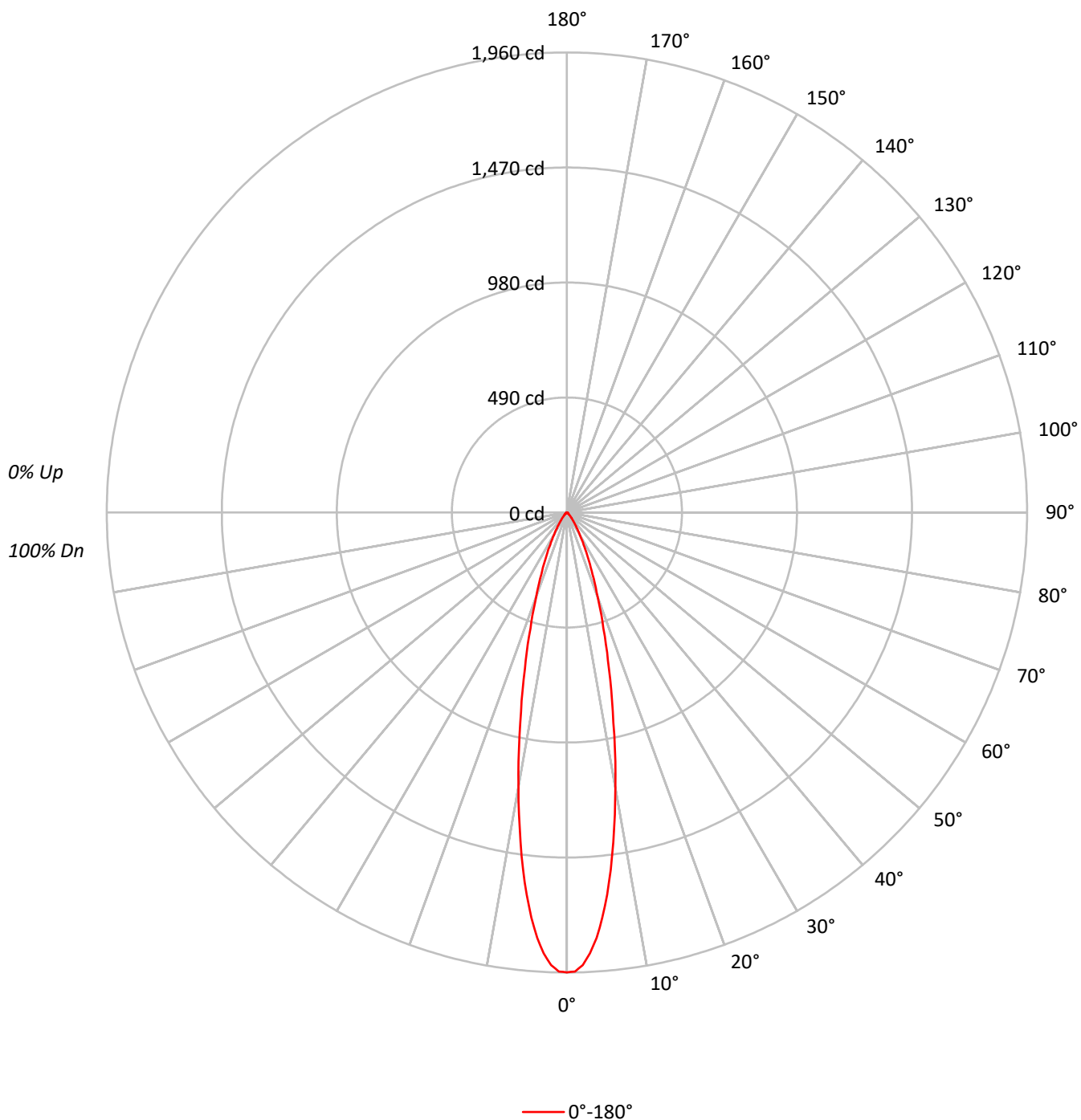
Lumens per Lamp: N/A
Luminaire Lumens: 503.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 0.4 / 0.4 / 0.43
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1268944

CATALOG NUMBER: P3A05R159740DE010 E3DL1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1268944

CATALOG NUMBER: P3A05R159740DE010 E3DL1WMH

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	97		98	96	95		96	94	93	91
3	106	101	97	93	104	99	96	93	97	94	91		94	92	90		92	90	88	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	80	86	82	79		85	81	79		83	80	78	77
7	92	85	80	77	91	84	80	76	83	79	76		82	78	76		81	78	75	74
8	89	81	77	74	88	81	77	73	80	76	73		79	75	73		78	75	73	72
9	86	79	74	71	85	78	74	71	77	73	71		77	73	70		76	73	70	69
10	84	76	71	68	83	76	71	68	75	71	68		74	71	68		74	70	68	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	429702
5°	381421
10°	264880
15°	156641
20°	89211
25°	51003
30°	28207
35°	15044
40°	8330
45°	4497
50°	2797
55°	2217
60°	1930
65°	1764
70°	1539
75°	1610
80°	1263
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4497 cd/sqm

TEST NUMBER: P1268944

CATALOG NUMBER: P3A05R159740DE010 E3DL1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.3	29.3
10°-20°	194.5	38.7
20°-30°	100.1	19.9
30°-40°	37.6	7.5
40°-50°	12.3	2.4
50°-60°	5.3	1.1
60°-70°	3.4	0.7
70°-80°	2.0	0.4
80°-90°	0.5	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°	441.9	87.9
0°-40°	479.5	95.3
0°-60°	497.1	98.8
0°-90°	503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1960	
5°	1733	147
15°	690	194
25°	211	100
35°	56	38
45°	14	12
55°	6	5
65°	3	3
75°	2	2
85°	0	1
90°	0	

TEST NUMBER: P1268944

CATALOG NUMBER: P3A05R159740DE010 E3DL1WMH

CANDELA DISTRIBUTION (FULL):

0°	
0°	1959.6
1°	1955.7
2°	1930.0
3°	1881.1
4°	1816.6
5°	1732.8
6°	1637.8
7°	1533.6
8°	1417.8
9°	1303.5
10°	1189.6
12.5°	915.3
15°	690.0
17.5°	516.5
20°	382.3
22.5°	285.4
25°	210.8
27.5°	153.6
30°	111.4
32.5°	79.0
35°	56.2
37.5°	40.2
40°	29.1
42.5°	20.8
45°	14.5
47.5°	10.7
50°	8.2
52.5°	6.8
55°	5.8
57.5°	4.8
60°	4.4
62.5°	3.9
65°	3.4
67.5°	2.9
70°	2.4
72.5°	2.4
75°	1.9
77.5°	1.5
80°	1.0
82.5°	1.0
85°	0.5
87.5°	0.0
90°	0.0

(END OF REPORT)