

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: P1269177

Luminaire Tested: P3A05R559740DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1269177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R559740DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

Summary

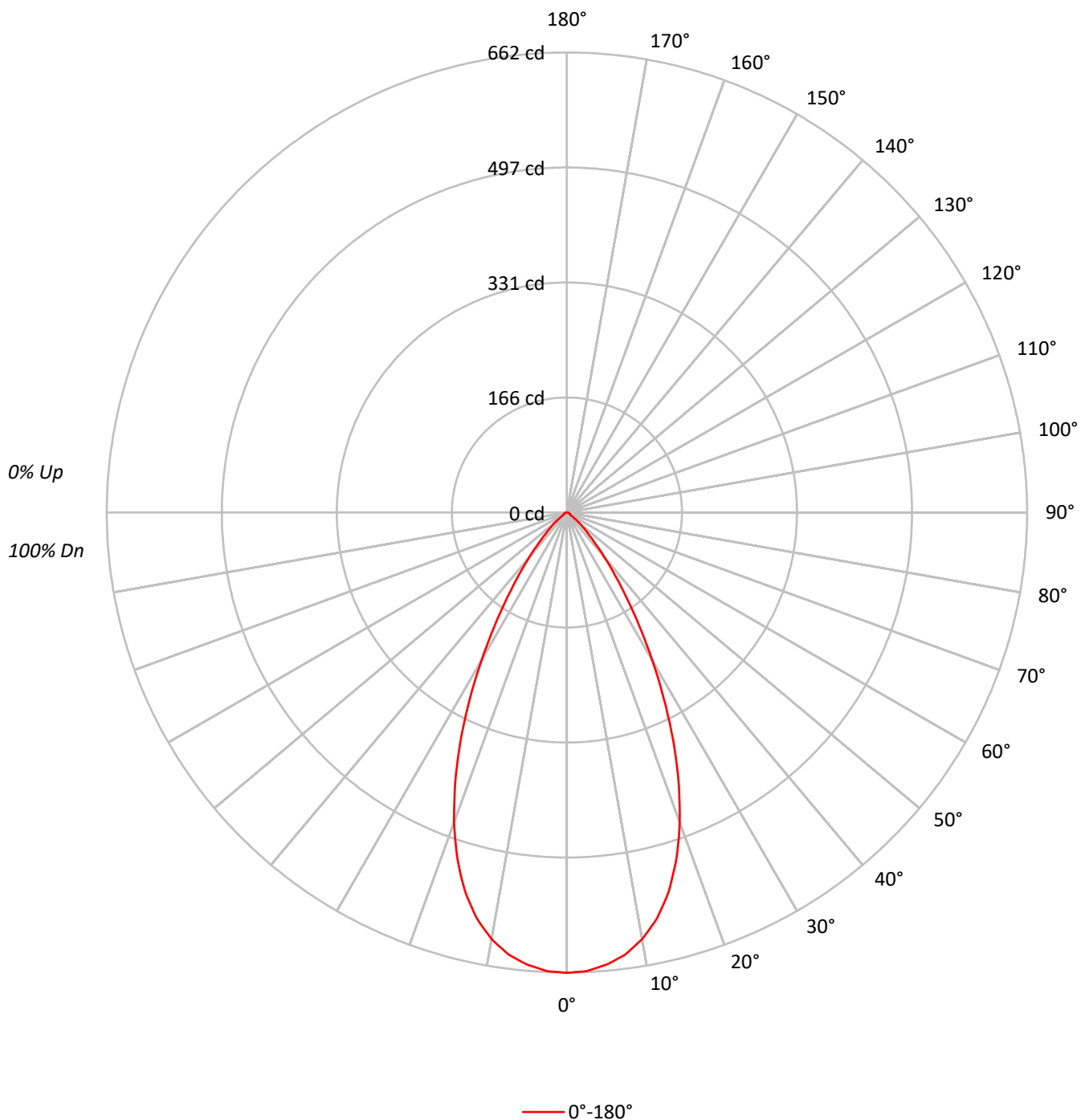
Lumens per Lamp: N/A
Luminaire Lumens: 529.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.81
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	90	84	80	95	89	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	86	78	73	68	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	70	64	60	69	63	60		67	63	60		67
9	76	66	61	57	75	66	60	56	65	60	56		64	59	56		63
10	73	63	57	53	72	62	57	53	62	57	53		61	56	53		60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145252
5°	143781
10°	138853
15°	128355
20°	110750
25°	87465
30°	62060
35°	40020
40°	24045
45°	13552
50°	7300
55°	2600
60°	2324
65°	2283
70°	2180
75°	2033
80°	1894
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13552 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	11.6
10°-20°	156.3	29.6
20°-30°	163.8	31.0
30°-40°	95.6	18.1
40°-50°	35.8	6.8
50°-60°	8.4	1.6
60°-70°	4.3	0.8
70°-80°	2.5	0.5
80°-90°	0.7	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°	381.6	72.1
0°-40°	477.2	90.2
0°-60°	521.4	98.6
0°-90°	529.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	529.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	662	
5°	653	61
15°	565	156
25°	362	164
35°	150	96
45°	44	36
55°	7	8
65°	4	4
75°	2	3
85°	0	1
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	662.4
2.5°	660.5
5°	653.2
7.5°	641.6
10°	623.6
12.5°	598.4
15°	565.4
17.5°	523.6
20°	474.6
22.5°	419.8
25°	361.5
27.5°	301.9
30°	245.1
32.5°	193.6
35°	149.5
37.5°	113.6
40°	84.0
42.5°	60.2
45°	43.7
47.5°	31.5
50°	21.4
52.5°	12.1
55°	6.8
57.5°	5.8
60°	5.3
62.5°	4.9
65°	4.4
67.5°	3.9
70°	3.4
72.5°	2.9
75°	2.4
77.5°	1.9
80°	1.5
82.5°	1.0
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)