

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: P1259284

Luminaire Tested: P3AS05R409050DE010 E3DL1WMH

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1259284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS05R409050DE010 E3DL1WMH
Description: 3in Adjustable LED luminaire with, R40 optic, 5000K CCT AND, 90CRI , E3DL1WMH TRIM
Light Source: -
Ballast/Driver: -

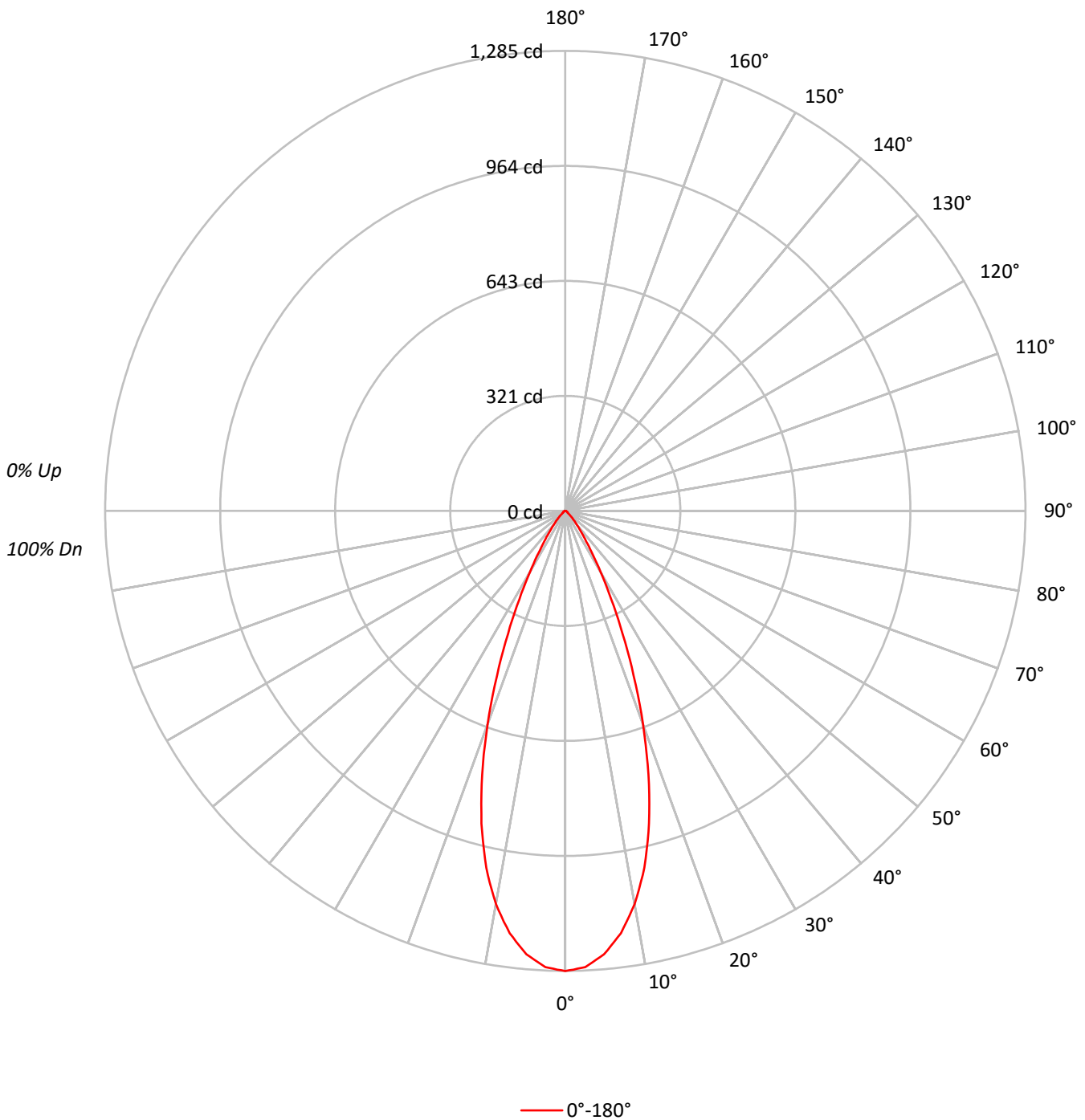
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 637.0 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
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				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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94				94
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89				89
3	104	99	94	91	102	97	93	90	95	91	88	92	89	87	90	88	86	84				84
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80				80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	76				76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72				72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				69
8	85	76	71	68	84	76	71	67	75	70	67	74	70	67	73	69	67	65				65
9	82	73	68	64	81	73	68	64	72	67	64	71	67	64	70	66	64	63				63
10	78	70	65	62	78	70	65	61	69	64	61	68	64	61	67	64	61	60				60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	281863
5°	273673
10°	248359
15°	205177
20°	147993
25°	91554
30°	49552
35°	25618
40°	13940
45°	7815
50°	3923
55°	2944
60°	2631
65°	2542
70°	2436
75°	2288
80°	2020
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7815 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	18.0
10°-20°	246.1	38.6
20°-30°	175.6	27.6
30°-40°	64.7	10.1
40°-50°	20.4	3.2
50°-60°	7.1	1.1
60°-70°	4.9	0.8
70°-80°	2.9	0.5
80°-90°	0.8	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°	536.3	84.2
0°-40°	601.0	94.4
0°-60°	628.5	98.7
0°-90°	637.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	637.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1285	
5°	1243	115
15°	904	246
25°	378	176
35°	96	65
45°	25	20
55°	8	7
65°	5	5
75°	3	3
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1285.4
2.5°	1275.6
5°	1243.3
7.5°	1189.7
10°	1115.4
12.5°	1020.8
15°	903.8
17.5°	772.6
20°	634.2
22.5°	498.1
25°	378.4
27.5°	277.8
30°	195.7
32.5°	137.2
35°	95.7
37.5°	67.8
40°	48.7
42.5°	35.0
45°	25.2
47.5°	16.9
50°	11.5
52.5°	8.2
55°	7.7
57.5°	7.1
60°	6.0
62.5°	5.5
65°	4.9
67.5°	4.4
70°	3.8
72.5°	3.3
75°	2.7
77.5°	2.2
80°	1.6
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0

(END OF REPORT)