

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: P1273382

Luminaire Tested: P3A05R409830DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1273382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A05R409830DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 3000K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

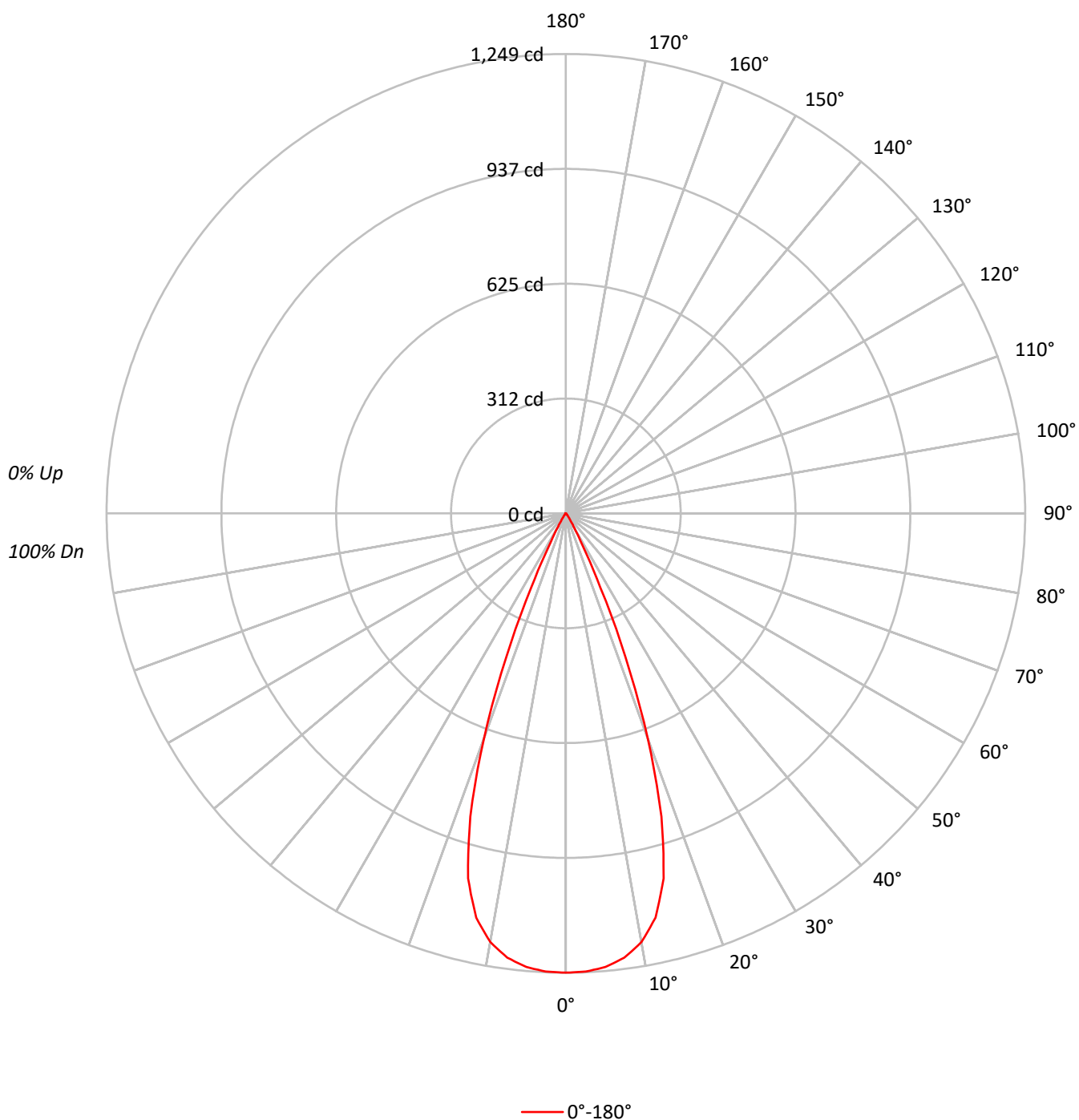
Lumens per Lamp: N/A
Luminaire Lumens: 520.0 lumens
Efficiency: N/A
Efficacy: 72.2 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.59
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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: P1273382

CATALOG NUMBER: P3A05R409830DE010 E3CD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1273382

CATALOG NUMBER: P3A05R409830DE010 E3CD1MW

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	115	112	110	109	112	110	109	107	106	105	104		103	102	101		99	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98		99	97	96		96	95	94	92
3	107	102	98	95	105	100	97	94	98	95	93		96	93	91		94	92	90	89
4	103	97	93	90	102	96	92	89	94	91	88		92	90	87		91	88	86	85
5	100	93	89	86	98	92	88	85	91	87	85		89	86	84		88	85	83	82
6	96	90	85	82	95	89	85	82	88	84	81		86	83	81		85	82	80	79
7	93	86	82	79	92	86	81	78	85	81	78		83	80	78		82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75		81	77	75		80	77	75	73
9	87	80	76	73	87	80	76	73	79	75	72		78	75	72		77	74	72	71
10	85	77	73	70	84	77	73	70	76	73	70		76	72	70		75	72	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	273794
5°	272484
10°	263589
15°	233214
20°	152170
25°	53906
30°	11419
35°	3774
40°	1374
45°	465
50°	375
55°	421
60°	307
65°	363
70°	256
75°	339
80°	505
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 82.5°

Luminance: 672 cd/sqm

TEST NUMBER: P1273382

CATALOG NUMBER: P3A05R409830DE010 E3CD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	22.4
10°-20°	271.2	52.2
20°-30°	117.7	22.6
30°-40°	10.8	2.1
40°-50°	1.5	0.3
50°-60°	0.9	0.2
60°-70°	0.7	0.1
70°-80°	0.4	0.1
80°-90°	0.2	0.0
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°	505.4	97.2
0°-40°	516.3	99.3
0°-60°	518.8	99.8
0°-90°	520.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	520.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1249	
5°	1238	116
15°	1027	271
25°	223	118
35°	14	11
45°	2	2
55°	1	1
65°	1	1
75°	0	0
85°	0	0
90°	0	

TEST NUMBER: P1273382

CATALOG NUMBER: P3A05R409830DE010 E3CD1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1248.6
2.5°	1247.1
5°	1237.9
7.5°	1218.3
10°	1183.8
12.5°	1125.7
15°	1027.3
17.5°	864.1
20°	652.1
22.5°	423.4
25°	222.8
27.5°	95.8
30°	45.1
32.5°	24.4
35°	14.1
37.5°	8.5
40°	4.8
42.5°	2.6
45°	1.5
47.5°	1.1
50°	1.1
52.5°	1.1
55°	1.1
57.5°	1.1
60°	0.7
62.5°	0.7
65°	0.7
67.5°	0.7
70°	0.4
72.5°	0.4
75°	0.4
77.5°	0.4
80°	0.4
82.5°	0.4
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)