

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: P1256653

Luminaire Tested: P3AS05R409040DE010 E3DL1LI

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1256653
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: P3AS05R409040DE010 E3DL1LI
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 90CRI , E3DL1LI TRIM
Light Source: -
Ballast/Driver: -

Summary

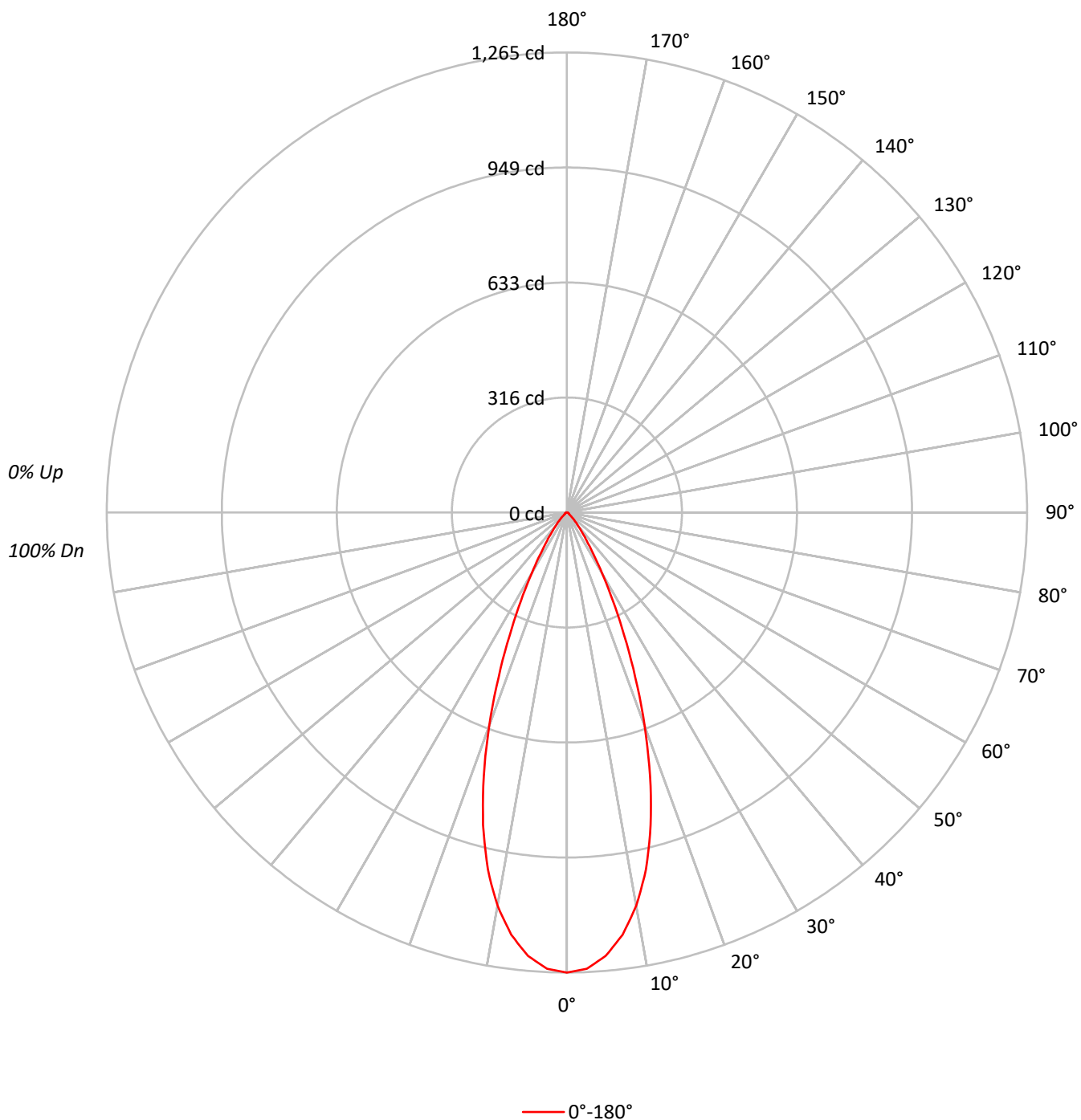
Lumens per Lamp: N/A
Luminaire Lumens: 627.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.65 / 0.63
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1256653

CATALOG NUMBER: P3AS05R409040DE010 E3DL1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1256653

CATALOG NUMBER: P3AS05R409040DE010 E3DL1LI

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	111	109	107	112	109	107	105	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	102	97	93	90	95	91	88		92	89	87		90
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86
5	96	88	83	79	94	88	83	79	86	82	78		84	81	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76
8	85	76	71	68	84	76	71	67	75	70	67		74	70	67		73
9	82	73	68	64	81	73	68	64	72	67	64		71	67	64		70
10	78	70	65	62	78	70	65	61	69	64	61		68	64	61		67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	277434
5°	269381
10°	244462
15°	201953
20°	145683
25°	90102
30°	48792
35°	25217
40°	13711
45°	7691
50°	3855
55°	2867
60°	2588
65°	2491
70°	2436
75°	2288
80°	2020
85°	1258

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7691 cd/sqm

TEST NUMBER: P1256653

CATALOG NUMBER: P3AS05R409040DE010 E3DL1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	18.0
10°-20°	242.2	38.6
20°-30°	172.9	27.6
30°-40°	63.6	10.2
40°-50°	20.0	3.2
50°-60°	7.0	1.1
60°-70°	4.8	0.8
70°-80°	2.8	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°	527.9	84.2
0°-40°	591.6	94.3
0°-60°	618.6	98.7
0°-90°	627.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	627.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1265	
5°	1224	113
15°	890	242
25°	372	173
35°	94	64
45°	25	20
55°	8	7
65°	5	5
75°	3	3
85°	0	1
90°	0	

TEST NUMBER: P1256653

CATALOG NUMBER: P3AS05R409040DE010 E3DL1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1265.2
2.5°	1255.6
5°	1223.8
7.5°	1171.1
10°	1097.9
12.5°	1004.8
15°	889.6
17.5°	760.4
20°	624.3
22.5°	490.3
25°	372.4
27.5°	273.4
30°	192.7
32.5°	135.1
35°	94.2
37.5°	66.7
40°	47.9
42.5°	34.4
45°	24.8
47.5°	16.7
50°	11.3
52.5°	8.1
55°	7.5
57.5°	7.0
60°	5.9
62.5°	5.4
65°	4.8
67.5°	4.3
70°	3.8
72.5°	3.2
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)