

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: P1262816

Luminaire Tested: P3A13R559727DE010 E3CD1MB

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1262816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R559727DE010 E3CD1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , E3CD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

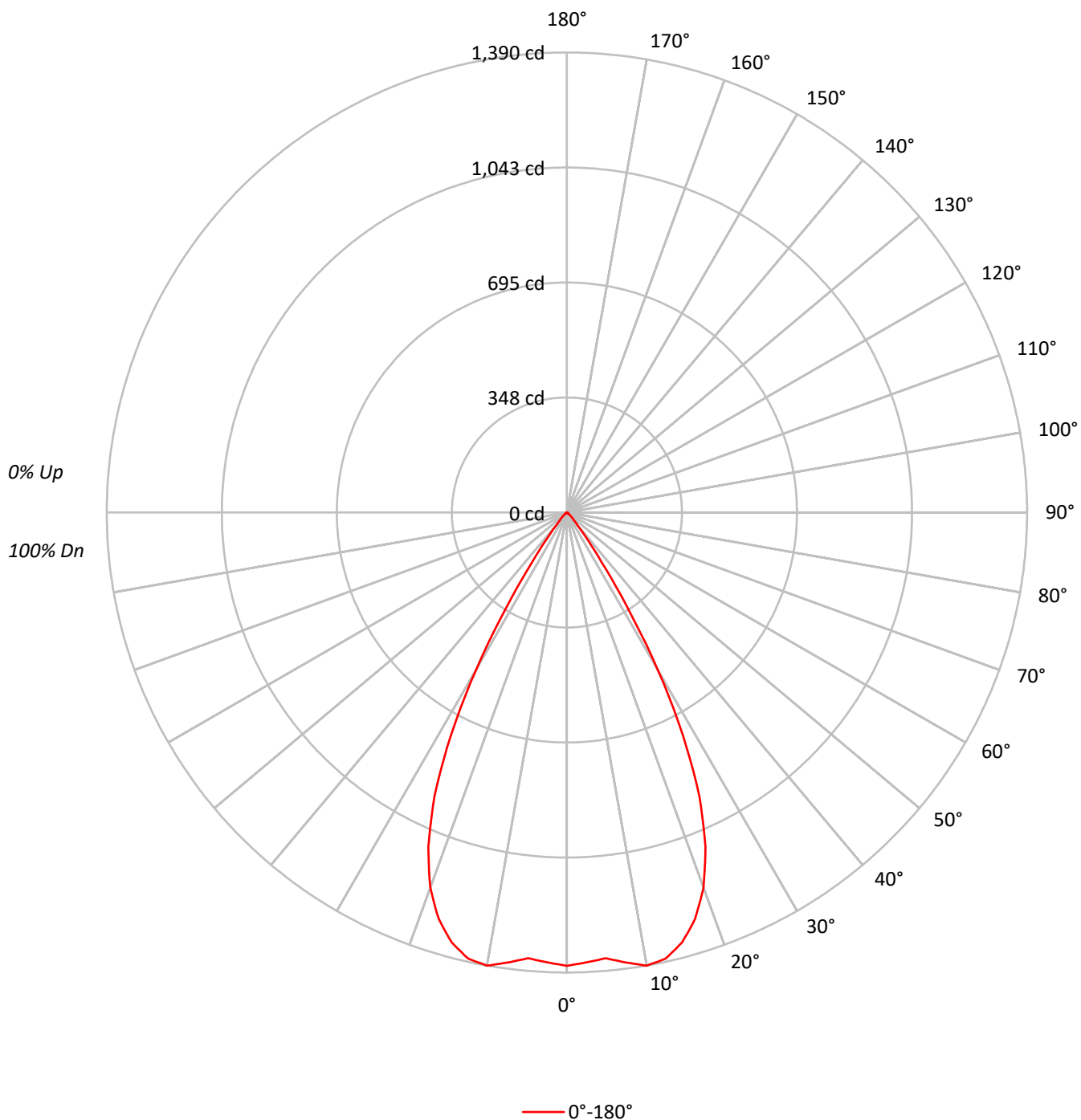
Lumens per Lamp: N/A
Luminaire Lumens: 1083.0 lumens
Efficiency: N/A
Efficacy: 74.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1262816

CATALOG NUMBER: P3A13R559727DE010 E3CD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1262816

CATALOG NUMBER: P3A13R559727DE010 E3CD1MB

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	111	109	107	112	109	107	105	105	104	102		101	100	99		98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94		97	94	92		94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	86		90	87	85	84
4	99	92	87	84	98	91	87	83	89	85	82		87	84	81		86	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78	74	72	70
7	87	78	73	69	85	78	72	69	76	72	68		75	71	68		74	70	68	66
8	83	74	69	65	82	74	69	65	73	68	65		72	67	64		71	67	64	63
9	79	71	65	61	78	70	65	61	69	64	61		68	64	61		68	64	61	60
10	76	67	62	58	75	67	62	58	66	61	58		65	61	58		65	61	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	300371
5°	297578
10°	309547
15°	305246
20°	281471
25°	229029
30°	139110
35°	48158
40°	13740
45°	6574
50°	2763
55°	1262
60°	1447
65°	1245
70°	1026
75°	1356
80°	1010
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6574 cd/sqm

TEST NUMBER: P1262816

CATALOG NUMBER: P3A13R559727DE010 E3CD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.7	12.1
10°-20°	373.7	34.5
20°-30°	416.6	38.5
30°-40°	136.3	12.6
40°-50°	18.0	1.7
50°-60°	3.8	0.4
60°-70°	2.2	0.2
70°-80°	1.4	0.1
80°-90°	0.3	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°	921.0	85.0
0°-40°	1057.3	97.6
0°-60°	1079.1	99.6
0°-90°	1083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1083.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1370	
5°	1352	131
15°	1345	374
25°	947	417
35°	180	136
45°	21	18
55°	3	4
65°	2	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1262816

CATALOG NUMBER: P3A13R559727DE010 E3CD1MB

CANDELA DISTRIBUTION (FULL):

0°	
0°	1369.8
2.5°	1360.1
5°	1351.9
7.5°	1371.4
10°	1390.2
12.5°	1380.4
15°	1344.6
17.5°	1287.6
20°	1206.2
22.5°	1093.9
25°	946.6
27.5°	759.4
30°	549.4
32.5°	337.0
35°	179.9
37.5°	91.2
40°	48.0
42.5°	30.9
45°	21.2
47.5°	14.7
50°	8.1
52.5°	4.9
55°	3.3
57.5°	3.3
60°	3.3
62.5°	2.4
65°	2.4
67.5°	1.6
70°	1.6
72.5°	1.6
75°	1.6
77.5°	0.8
80°	0.8
82.5°	0.8
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)