

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: P1274152

Luminaire Tested: P3A13R559830DE010 E3CB1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1274152
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: P3A13R559830DE010 E3CB1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 98CRI , E3CB1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

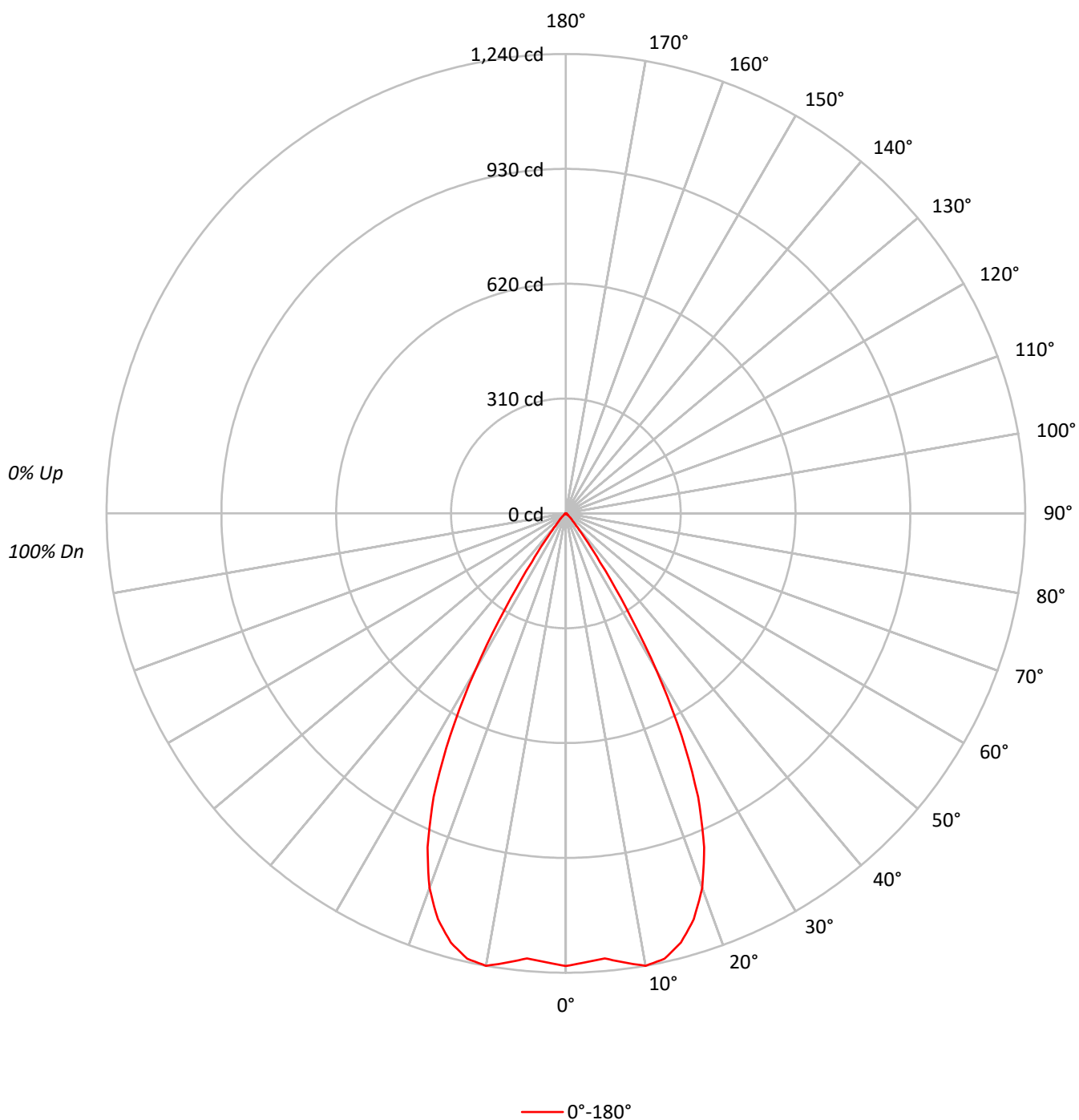
Lumens per Lamp: N/A
Luminaire Lumens: 966.0 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.82
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1274152

CATALOG NUMBER: P3A13R559830DE010 E3CB1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1274152

CATALOG NUMBER: P3A13R559830DE010 E3CB1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	267917
5°	265441
10°	276103
15°	272260
20°	251065
25°	204278
30°	124070
35°	42938
40°	12252
45°	5861
50°	2490
55°	1109
60°	1272
65°	1141
70°	962
75°	1271
80°	884
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5861 cd/sqm

TEST NUMBER: P1274152

CATALOG NUMBER: P3A13R559830DE010 E3CB1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	12.1
10°-20°	333.3	34.5
20°-30°	371.6	38.5
30°-40°	121.6	12.6
40°-50°	16.0	1.7
50°-60°	3.4	0.4
60°-70°	2.0	0.2
70°-80°	1.3	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°	821.5	85.0
0°-40°	943.1	97.6
0°-60°	962.5	99.6
0°-90°	966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	966.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1222	
5°	1206	117
15°	1199	333
25°	844	372
35°	160	122
45°	19	16
55°	3	3
65°	2	2
75°	2	1
85°	0	0
90°	0	

TEST NUMBER: P1274152

CATALOG NUMBER: P3A13R559830DE010 E3CB1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1221.8
2.5°	1213.1
5°	1205.9
7.5°	1223.3
10°	1240.0
12.5°	1231.3
15°	1199.3
17.5°	1148.5
20°	1075.9
22.5°	975.7
25°	844.3
27.5°	677.3
30°	490.0
32.5°	300.6
35°	160.4
37.5°	81.3
40°	42.8
42.5°	27.6
45°	18.9
47.5°	13.1
50°	7.3
52.5°	4.4
55°	2.9
57.5°	2.9
60°	2.9
62.5°	2.2
65°	2.2
67.5°	1.5
70°	1.5
72.5°	1.5
75°	1.5
77.5°	0.7
80°	0.7
82.5°	0.7
85°	0.0
87.5°	0.0
90°	0.0

(END OF REPORT)