

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: P1310237

Luminaire Tested: P3SQAS13R259040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310237
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R259040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

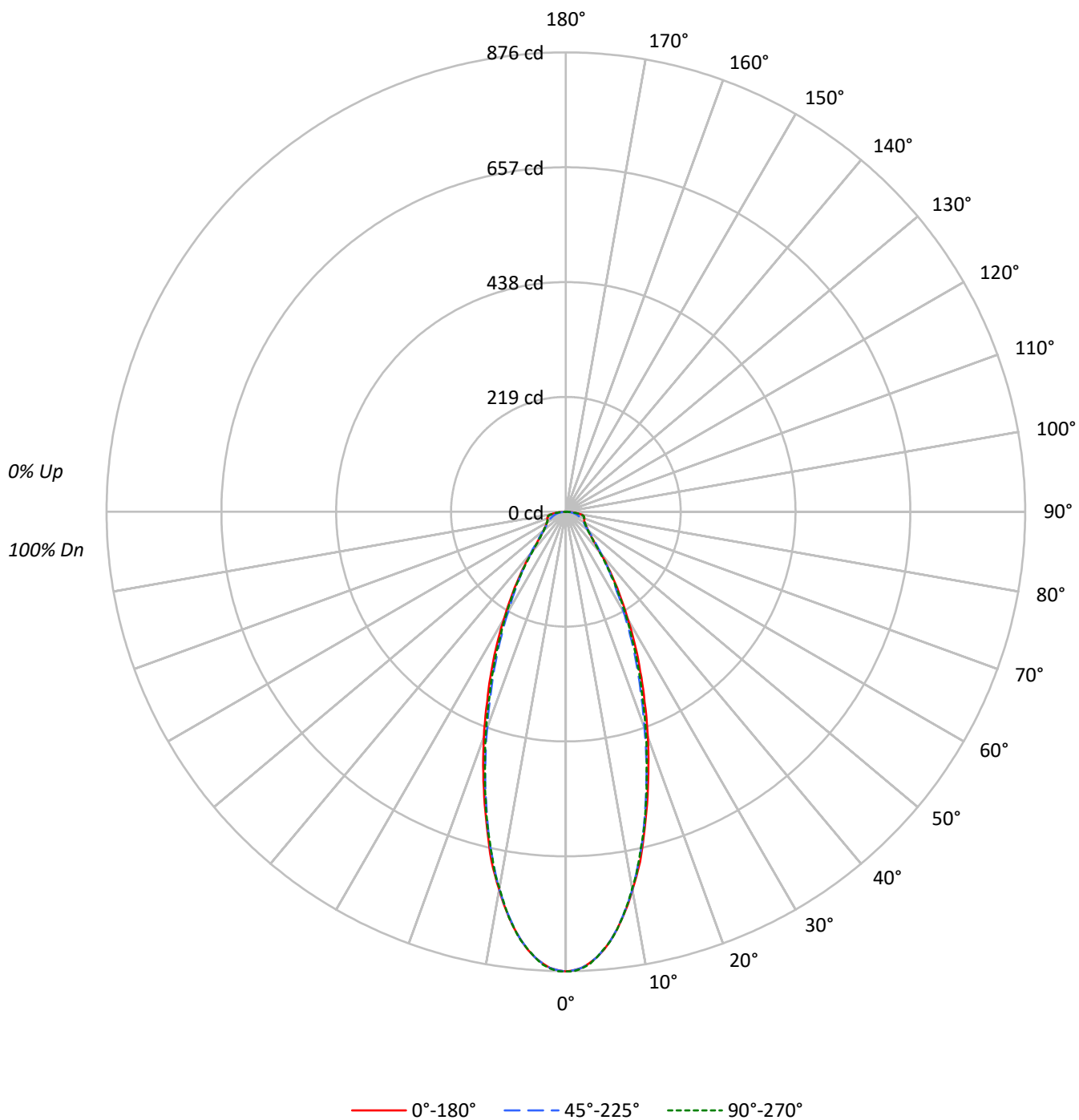
Lumens per Lamp: N/A
Luminaire Lumens: 662.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1310237

CATALOG NUMBER: P3SQAS13R259040DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310237

CATALOG NUMBER: P3SQAS13R259040DE010 E3SQPHLP1MW

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	150953	150953	150953
5°	144839	144666	144666
10°	128047	127854	127505
15°	105749	104251	104804
20°	83775	80330	81668
25°	63811	60428	62006
30°	47012	43691	45560
35°	33639	32104	32546
40°	23044	23516	22347
45°	17074	18096	16806
50°	14843	14843	14575
55°	14142	13512	14142
60°	14398	13330	14398
65°	15771	13652	15771
70°	18984	13696	18430
75°	23689	14639	23689
80°	30051	15571	27968
85°	24898	14425	24898

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 30051 cd/sqm

TEST NUMBER: P1310237

CATALOG NUMBER: P3SQAS13R259040DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	11.6
10°-20°	162.5	24.6
20°-30°	148.9	22.5
30°-40°	98.2	14.8
40°-50°	57.2	8.6
50°-60°	41.8	6.3
60°-70°	35.5	5.4
70°-80°	29.3	4.4
80°-90°	12.1	1.8
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°	387.9	58.6
0°-40°	486.2	73.4
0°-60°	585.1	88.4
0°-90°	662.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	662.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	838	837	837	838	837	77
15°	593	591	585	587	588	164
25°	336	326	318	319	326	154
35°	160	157	153	153	155	101
45°	70	72	74	70	69	57
55°	47	47	45	46	47	43
65°	39	36	34	36	39	39
75°	36	27	22	27	36	37
85°	13	14	7	14	13	14
90°	0	0	0	0	0	

TEST NUMBER: P1310237

CATALOG NUMBER: P3SQAS13R259040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	876.5	876.5	876.5	876.5	876.5
1°	874.4	874.4	874.4	874.4	876.5
2°	870.3	869.2	870.3	870.3	871.3
3°	861.9	861.9	861.9	861.9	864.0
4°	851.4	851.4	851.4	851.4	851.4
5°	837.8	836.8	836.8	837.8	836.8
6°	821.1	821.1	821.1	821.1	822.1
7°	802.3	801.2	801.2	800.2	802.3
8°	780.3	780.3	779.3	778.2	780.3
9°	757.3	758.3	756.2	755.2	755.2
10°	732.2	731.1	731.1	731.1	729.1
11°	707.1	703.9	702.9	702.9	705.0
12°	682.0	676.8	674.7	674.7	674.7
13°	651.6	649.6	646.4	644.3	645.4
14°	621.3	621.3	616.1	616.1	618.2
15°	593.1	591.0	584.7	586.8	587.8
17.5°	523.0	518.8	511.5	511.5	512.5
20°	457.1	449.8	438.3	443.5	445.6
22.5°	392.2	384.9	373.4	378.6	380.7
25°	335.8	326.3	318.0	319.0	326.3
27.5°	284.5	274.0	265.7	268.8	273.0
30°	236.4	230.1	219.7	224.9	229.1
32.5°	195.6	190.4	183.0	186.2	190.4
35°	160.0	156.9	152.7	152.7	154.8
37.5°	129.7	128.7	126.6	125.5	124.5
40°	102.5	104.6	104.6	102.5	99.4
42.5°	83.7	85.8	87.9	83.7	80.5
45°	70.1	72.2	74.3	70.1	69.0
47.5°	61.7	62.8	63.8	61.7	60.7
50°	55.4	55.4	55.4	54.4	54.4
52.5°	51.3	50.2	49.2	50.2	50.2
55°	47.1	47.1	45.0	46.0	47.1
57.5°	43.9	42.9	41.8	42.9	43.9
60°	41.8	39.7	38.7	39.7	41.8
62.5°	39.7	37.7	35.6	37.7	39.7
65°	38.7	35.6	33.5	35.6	38.7
67.5°	37.7	33.5	30.3	33.5	37.7
70°	37.7	31.4	27.2	31.4	36.6
72.5°	36.6	29.3	25.1	29.3	36.6
75°	35.6	27.2	22.0	27.2	35.6
77.5°	34.5	25.1	18.8	25.1	33.5
80°	30.3	23.0	15.7	23.0	28.2
82.5°	22.0	18.8	12.6	18.8	20.9
85°	12.6	13.6	7.3	13.6	12.6
87.5°	2.1	3.1	2.1	5.2	4.2



TEST NUMBER: P1310237

CATALOG NUMBER: P3SQAS13R259040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)