

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: P1312415

Luminaire Tested: P3SQAS13R209727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312415
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

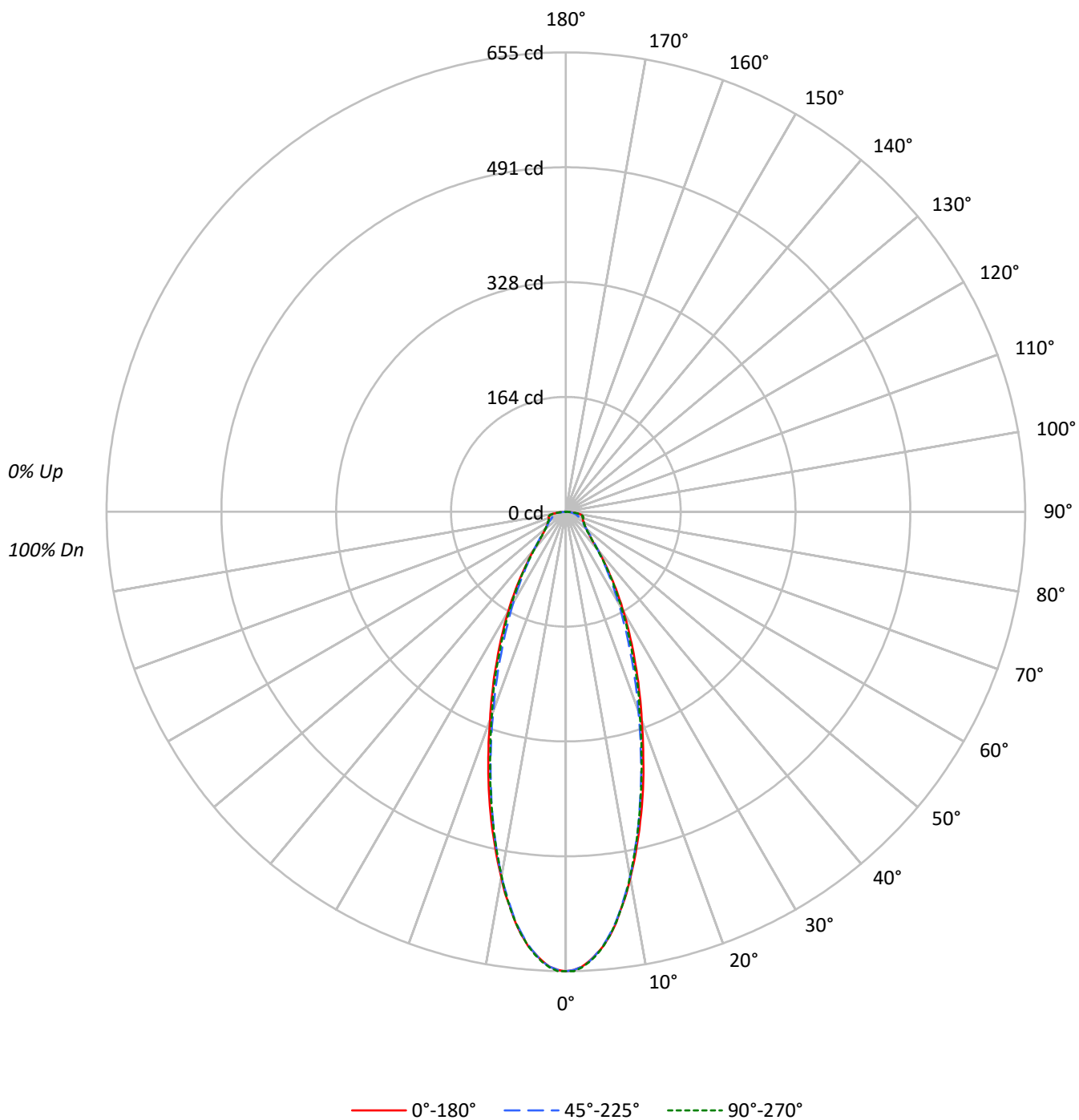
Lumens per Lamp: N/A
Luminaire Lumens: 462.0 lumens
Efficiency: N/A
Efficacy: 31.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312415

CATALOG NUMBER: P3SQAS13R209727DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312415

CATALOG NUMBER: P3SQAS13R209727DE010 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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	112823	112823	112823
5°	107359	107082	107359
10°	92669	92389	92249
15°	75206	73477	73762
20°	57952	55423	56449
25°	44010	40780	42775
30°	32654	29750	31679
35°	23064	21529	22727
40°	15895	15895	15535
45°	11691	12275	11691
50°	10235	10235	10235
55°	9758	9518	9758
60°	10092	9231	10092
65°	10921	9291	10921
70°	13092	9416	13092
75°	16769	10247	16769
80°	20927	10513	20133
85°	16006	9683	17587

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 20927 cd/sqm

TEST NUMBER: P1312415

CATALOG NUMBER: P3SQAS13R209727DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.2	12.2
10°-20°	114.8	24.8
20°-30°	102.5	22.2
30°-40°	67.2	14.6
40°-50°	39.1	8.5
50°-60°	29.0	6.3
60°-70°	24.5	5.3
70°-80°	20.2	4.4
80°-90°	8.4	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°	273.4	59.2
0°-40°	340.7	73.7
0°-60°	408.8	88.5
0°-90°	462.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	462.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	655	655	655	655	655	
5°	621	620	619	620	621	56
15°	422	418	412	413	414	117
25°	232	225	215	220	225	107
35°	110	106	102	106	108	70
45°	48	49	50	49	48	39
55°	32	32	32	32	32	30
65°	27	24	23	24	27	27
75°	25	19	15	19	25	26
85°	8	9	5	9	9	9
90°	0	0	0	0	0	

TEST NUMBER: P1312415

CATALOG NUMBER: P3SQAS13R209727DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.1	655.1	655.1	655.1	655.1
1°	653.5	654.3	653.5	654.3	655.1
2°	649.4	650.2	649.4	649.4	650.2
3°	641.3	642.1	642.1	642.1	642.9
4°	631.5	632.4	631.5	632.4	633.2
5°	621.0	620.2	619.4	620.2	621.0
6°	606.3	605.5	604.7	605.5	606.3
7°	590.1	589.3	588.5	588.5	589.3
8°	569.8	570.6	568.1	569.8	570.6
9°	551.9	550.3	548.6	548.6	550.3
10°	529.9	528.3	528.3	527.5	527.5
12.5°	476.3	473.0	470.6	470.6	471.4
15°	421.8	417.8	412.1	412.9	413.7
17.5°	367.4	362.5	355.2	356.8	358.4
20°	316.2	311.3	302.4	305.6	308.0
22.5°	272.3	265.0	256.8	259.3	267.4
25°	231.6	225.1	214.6	220.3	225.1
27.5°	195.9	188.6	179.6	185.3	190.2
30°	164.2	157.7	149.6	154.4	159.3
32.5°	135.7	130.0	124.4	127.6	131.7
35°	109.7	106.5	102.4	105.7	108.1
37.5°	88.6	87.0	85.3	87.0	86.2
40°	70.7	71.5	70.7	70.7	69.1
42.5°	56.1	58.5	59.3	57.7	56.1
45°	48.0	48.8	50.4	48.8	48.0
47.5°	42.3	42.3	43.1	42.3	41.5
50°	38.2	38.2	38.2	38.2	38.2
52.5°	35.0	35.0	34.1	35.0	35.0
55°	32.5	31.7	31.7	31.7	32.5
57.5°	30.9	30.1	29.3	30.1	30.9
60°	29.3	27.6	26.8	27.6	29.3
62.5°	27.6	26.0	25.2	26.0	27.6
65°	26.8	24.4	22.8	24.4	26.8
67.5°	26.0	22.8	21.1	22.8	26.8
70°	26.0	21.1	18.7	21.9	26.0
72.5°	25.2	20.3	17.1	20.3	25.2
75°	25.2	18.7	15.4	18.7	25.2
77.5°	23.6	17.1	13.0	17.1	23.6
80°	21.1	15.4	10.6	15.4	20.3
82.5°	15.4	13.0	8.1	13.0	15.4
85°	8.1	8.9	4.9	8.9	8.9
87.5°	0.8	3.3	1.6	4.9	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)