

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: P1308968

Luminaire Tested: P3SQAS09R309035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R309035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

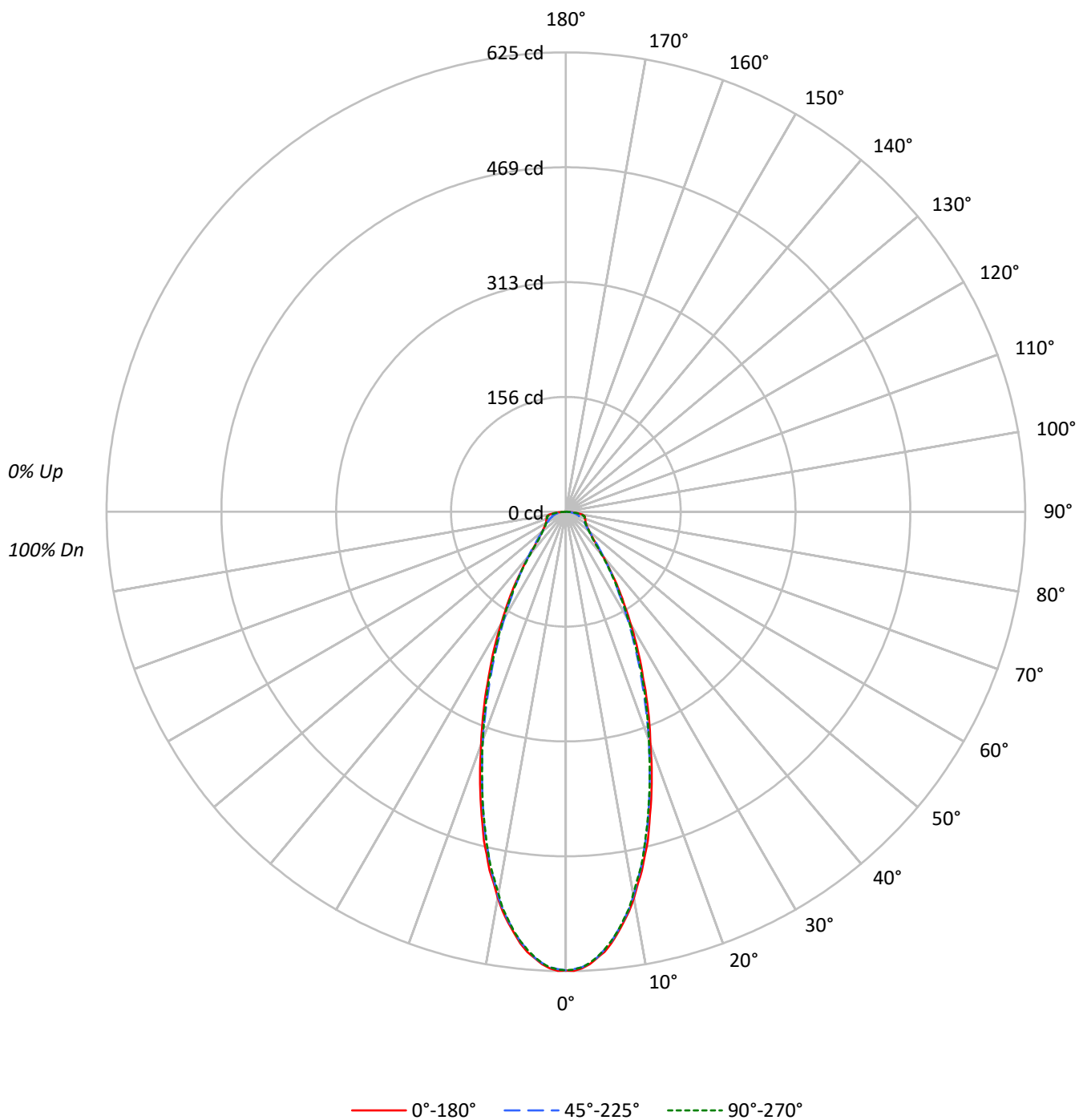
Lumens per Lamp: N/A
Luminaire Lumens: 492.0 lumens
Efficiency: N/A
Efficacy: 44.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1308968

CATALOG NUMBER: P3SQAS09R309035DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308968

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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	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	107450	107450	107450
5°	103953	103434	103434
10°	93298	92774	92371
15°	78184	76989	76846
20°	61727	60481	60481
25°	47260	45397	46252
30°	35060	33270	34006
35°	25356	24241	24388
40°	17446	17783	16951
45°	13030	13591	12470
50°	11307	11092	11092
55°	10629	10179	10419
60°	10884	10127	10643
65°	11981	10147	11655
70°	14049	10222	13646
75°	18033	11046	17567
80°	22414	12001	20927
85°	17784	11856	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 22414 cd/sqm

TEST NUMBER: P1308968

CATALOG NUMBER: P3SQAS09R309035DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	11.2
10°-20°	119.6	24.3
20°-30°	111.5	22.7
30°-40°	74.0	15.0
40°-50°	43.1	8.8
50°-60°	31.3	6.4
60°-70°	26.5	5.4
70°-80°	21.9	4.5
80°-90°	9.1	1.9
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°	286.1	58.2
0°-40°	360.0	73.2
0°-60°	434.4	88.3
0°-90°	492.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	492.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	624	624	624	624	624	
5°	601	600	598	598	598	55
15°	438	434	432	431	431	121
25°	249	244	239	240	243	115
35°	121	118	115	116	116	76
45°	54	54	56	53	51	43
55°	35	35	34	35	35	32
65°	29	26	25	26	29	29
75°	27	20	17	20	26	28
85°	9	10	6	10	8	10
90°	0	0	0	0	0	

TEST NUMBER: P1308968

CATALOG NUMBER: P3SQAS09R309035DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	623.9	623.9	623.9	623.9	623.9
1°	624.7	623.9	622.4	623.2	623.2
2°	621.6	620.9	620.1	620.1	620.1
3°	616.4	615.6	614.9	614.9	614.9
4°	608.8	608.1	608.1	607.3	607.3
5°	601.3	600.5	598.3	598.3	598.3
6°	590.8	590.0	588.5	587.7	587.7
7°	577.9	577.9	575.7	574.9	575.7
8°	564.4	563.6	562.1	561.4	561.4
9°	550.1	547.8	547.8	545.5	547.0
10°	533.5	532.0	530.5	529.0	528.2
11°	514.6	513.9	511.6	510.1	509.4
12°	498.8	495.1	493.5	491.3	492.8
13°	478.5	476.2	472.5	471.7	472.5
14°	461.1	456.6	453.6	452.1	451.4
15°	438.5	434.0	431.8	431.0	431.0
17.5°	388.1	385.0	379.0	379.0	379.0
20°	336.8	333.8	330.0	329.3	330.0
22.5°	292.4	287.1	281.1	281.8	286.3
25°	248.7	244.1	238.9	239.6	243.4
27.5°	211.7	205.7	200.4	201.9	204.2
30°	176.3	172.6	167.3	168.8	171.0
32.5°	146.2	143.9	137.9	139.4	141.7
35°	120.6	118.3	115.3	116.0	116.0
37.5°	96.4	96.4	95.7	94.9	94.2
40°	77.6	79.1	79.1	76.9	75.4
42.5°	63.3	64.8	66.3	63.3	61.0
45°	53.5	54.3	55.8	52.7	51.2
47.5°	46.7	46.7	48.2	46.0	45.2
50°	42.2	42.2	41.4	40.7	41.4
52.5°	38.4	37.7	36.9	37.7	37.7
55°	35.4	34.7	33.9	34.7	34.7
57.5°	33.2	32.4	31.6	31.6	32.4
60°	31.6	30.1	29.4	30.1	30.9
62.5°	30.1	27.9	27.1	27.9	29.4
65°	29.4	26.4	24.9	26.4	28.6
67.5°	28.6	24.9	22.6	24.9	27.9
70°	27.9	23.4	20.3	23.4	27.1
72.5°	27.1	21.9	18.8	21.9	27.1
75°	27.1	20.3	16.6	20.3	26.4
77.5°	25.6	18.8	14.3	18.8	24.9
80°	22.6	17.3	12.1	16.6	21.1
82.5°	16.6	15.1	9.0	14.3	15.8
85°	9.0	10.5	6.0	9.8	8.3
87.5°	1.5	2.3	1.5	4.5	3.0



TEST NUMBER: P1308968

CATALOG NUMBER: P3SQAS09R309035DE010 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)