

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: P1309135

Luminaire Tested: P3SQAS13R309035DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309035DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

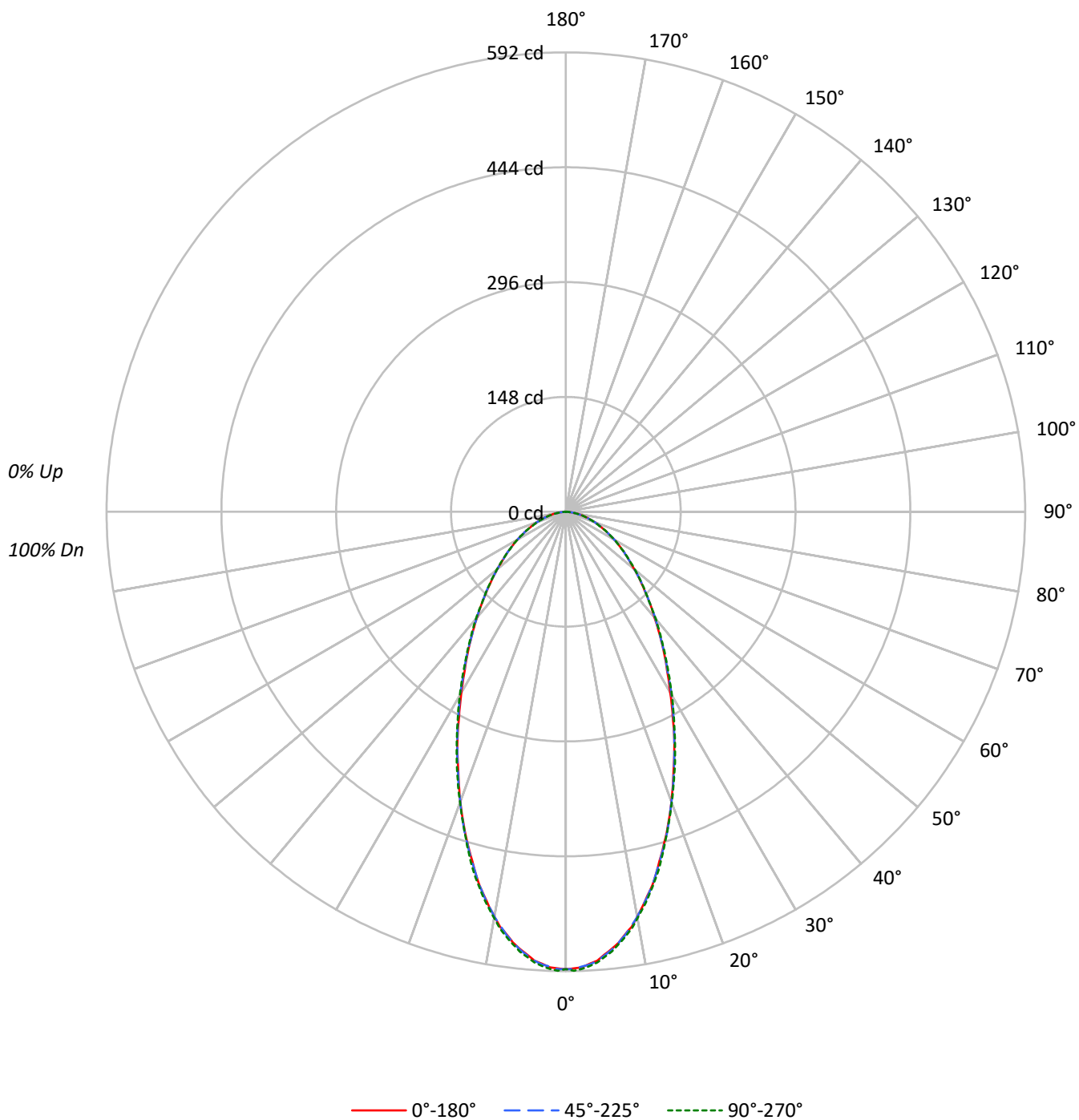
Lumens per Lamp: N/A
Luminaire Lumens: 757.0 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	101525	101525	101525
5°	99026	99199	99562
10°	92669	92669	93018
15°	83087	83265	83836
20°	72925	72925	73127
25°	62880	62880	63279
30°	53515	54151	54350
35°	46233	46443	46674
40°	40018	40265	40490
45°	34951	35194	35194
50°	30866	30866	31134
55°	27654	27654	27654
60°	24903	24903	24903
65°	22209	22209	22209
70°	20041	20041	20041
75°	18099	17434	17434
80°	15571	14579	14579
85°	10275	10275	10275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 35194 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	7.1
10°-20°	130.2	17.2
20°-30°	152.0	20.1
30°-40°	138.3	18.3
40°-50°	111.7	14.8
50°-60°	82.5	10.9
60°-70°	54.3	7.2
70°-80°	28.1	3.7
80°-90°	6.4	0.8
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°	335.6	44.3
0°-40°	473.9	62.6
0°-60°	668.2	88.3
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	573	573	574	574	576	53
15°	466	467	467	467	470	130
25°	331	330	331	331	333	152
35°	220	219	221	221	222	138
45°	144	144	144	144	144	111
55°	92	91	92	91	92	83
65°	54	54	54	54	54	55
75°	27	26	26	26	26	29
85°	5	5	5	5	5	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	589.5	589.5	589.5	589.5	589.5
1°	588.5	588.5	589.5	588.5	591.6
2°	587.4	586.4	586.4	586.4	589.5
3°	583.3	583.3	584.3	583.3	586.4
4°	580.1	579.1	580.1	579.1	582.2
5°	572.8	572.8	573.8	573.8	575.9
6°	566.5	566.5	567.5	566.5	569.6
7°	559.2	559.2	559.2	559.2	561.3
8°	549.7	549.7	550.8	550.8	552.9
9°	541.4	540.3	540.3	540.3	543.5
10°	529.9	529.9	529.9	529.9	531.9
11°	518.3	518.3	518.3	518.3	520.4
12°	505.8	505.8	506.8	505.8	508.9
13°	494.2	494.2	494.2	494.2	496.3
14°	480.6	479.6	480.6	480.6	483.8
15°	466.0	467.0	467.0	467.0	470.2
17.5°	432.5	432.5	433.5	431.4	433.5
20°	397.9	396.9	397.9	397.9	399.0
22.5°	362.3	363.4	363.4	363.4	365.5
25°	330.9	329.8	330.9	330.9	333.0
27.5°	298.4	299.5	300.5	299.5	301.6
30°	269.1	271.2	272.3	270.2	273.3
32.5°	242.9	242.9	244.0	245.0	246.1
35°	219.9	218.9	220.9	220.9	222.0
37.5°	197.9	197.9	197.9	199.0	200.0
40°	178.0	178.0	179.1	179.1	180.1
42.5°	160.2	159.2	160.2	160.2	160.2
45°	143.5	144.5	144.5	144.5	144.5
47.5°	128.8	128.8	129.8	128.8	129.8
50°	115.2	115.2	115.2	115.2	116.2
52.5°	102.6	102.6	102.6	102.6	103.7
55°	92.1	91.1	92.1	91.1	92.1
57.5°	81.7	81.7	81.7	81.7	81.7
60°	72.3	71.2	72.3	71.2	72.3
62.5°	62.8	62.8	62.8	62.8	62.8
65°	54.5	54.5	54.5	54.5	54.5
67.5°	47.1	47.1	47.1	46.1	46.1
70°	39.8	39.8	39.8	39.8	39.8
72.5°	33.5	32.5	32.5	32.5	32.5
75°	27.2	26.2	26.2	26.2	26.2
77.5°	20.9	20.9	19.9	19.9	20.9
80°	15.7	14.7	14.7	14.7	14.7
82.5°	9.4	9.4	9.4	9.4	9.4
85°	5.2	5.2	5.2	5.2	5.2
87.5°	1.0	1.0	1.0	2.1	2.1



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)