

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: P1314358

Luminaire Tested: P3SQAS13R209735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314358
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209735DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

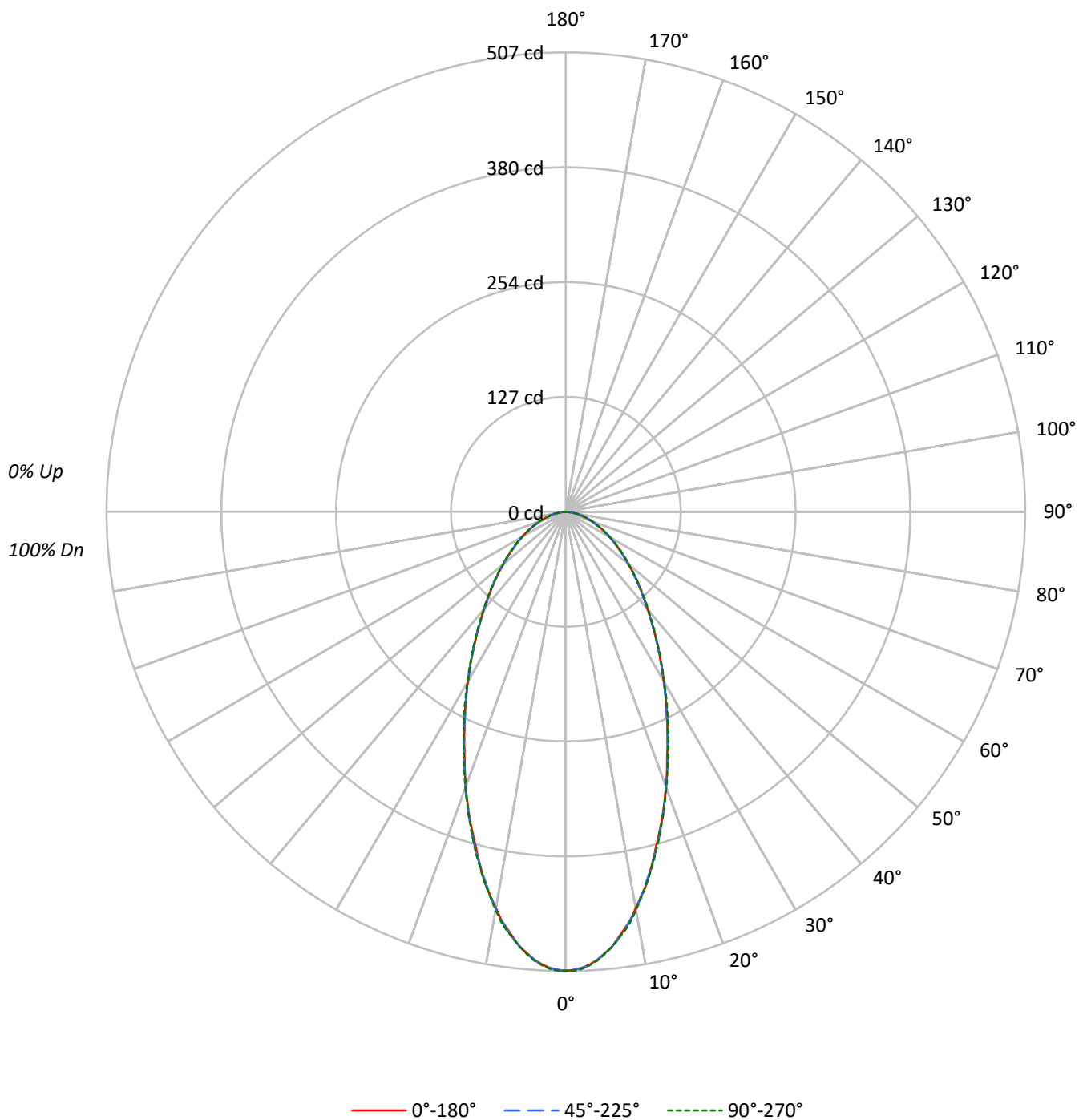
Lumens per Lamp: N/A
Luminaire Lumens: 606.0 lumens
Efficiency: N/A
Efficacy: 41.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	87248	87248	87248
5°	84625	84625	84781
10°	77681	77839	77996
15°	68395	68716	68877
20°	59198	59198	59363
25°	50376	50376	50718
30°	42995	42816	43174
35°	36709	36709	36898
40°	31520	31520	31722
45°	27547	27547	27766
50°	24248	24248	24248
55°	21469	21469	21739
60°	19323	19323	19323
65°	17319	17319	17319
70°	15509	15509	15509
75°	13841	13242	13841
80°	11703	11703	11703
85°	7114	7114	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 27766 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	7.5
10°-20°	107.3	17.7
20°-30°	122.1	20.2
30°-40°	109.7	18.1
40°-50°	87.9	14.5
50°-60°	64.6	10.7
60°-70°	42.2	7.0
70°-80°	21.9	3.6
80°-90°	5.1	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°	274.7	45.3
0°-40°	384.4	63.4
0°-60°	536.8	88.6
0°-90°	606.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	606.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	507	507	507	507	507	
5°	490	490	490	490	490	45
15°	384	384	385	385	386	107
25°	265	265	265	266	267	122
35°	175	175	175	175	176	110
45°	113	113	113	113	114	88
55°	72	72	72	72	72	64
65°	42	42	42	42	42	42
75°	21	20	20	21	21	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	506.6	506.6	506.6	506.6	506.6
1°	505.7	504.8	505.7	505.7	506.6
2°	503.9	503.9	503.9	503.0	504.8
3°	500.3	500.3	501.2	500.3	501.2
4°	495.8	495.8	495.8	494.9	496.7
5°	489.5	489.5	489.5	489.5	490.4
6°	483.1	482.2	483.1	482.2	483.1
7°	474.1	474.1	475.0	474.1	475.0
8°	465.0	464.1	465.9	465.0	466.8
9°	456.0	455.1	456.0	455.1	457.8
10°	444.2	445.1	445.1	445.1	446.0
12.5°	417.1	415.3	415.3	415.3	417.1
15°	383.6	383.6	385.4	385.4	386.3
17.5°	353.7	352.8	354.7	354.7	354.7
20°	323.0	322.1	323.0	323.0	323.9
22.5°	292.2	293.1	293.1	293.1	294.0
25°	265.1	265.1	265.1	266.0	266.9
27.5°	239.8	238.8	239.8	240.7	241.6
30°	216.2	215.3	215.3	216.2	217.1
32.5°	194.5	193.6	194.5	194.5	195.4
35°	174.6	174.6	174.6	174.6	175.5
37.5°	156.5	156.5	156.5	157.4	157.4
40°	140.2	140.2	140.2	141.1	141.1
42.5°	125.8	125.8	125.8	126.7	127.6
45°	113.1	113.1	113.1	113.1	114.0
47.5°	101.3	101.3	101.3	102.2	102.2
50°	90.5	89.6	90.5	91.4	90.5
52.5°	80.5	80.5	80.5	80.5	81.4
55°	71.5	71.5	71.5	71.5	72.4
57.5°	63.3	63.3	63.3	64.2	64.2
60°	56.1	56.1	56.1	56.1	56.1
62.5°	48.9	48.9	48.9	48.9	48.9
65°	42.5	41.6	42.5	42.5	42.5
67.5°	36.2	36.2	36.2	36.2	36.2
70°	30.8	30.8	30.8	30.8	30.8
72.5°	25.3	25.3	25.3	25.3	25.3
75°	20.8	19.9	19.9	20.8	20.8
77.5°	16.3	15.4	16.3	16.3	16.3
80°	11.8	11.8	11.8	11.8	11.8
82.5°	7.2	7.2	7.2	8.1	8.1
85°	3.6	3.6	3.6	4.5	4.5
87.5°	0.9	0.9	0.9	1.8	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)