

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: P1314836

Luminaire Tested: P3SQAS02R209740DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209740DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

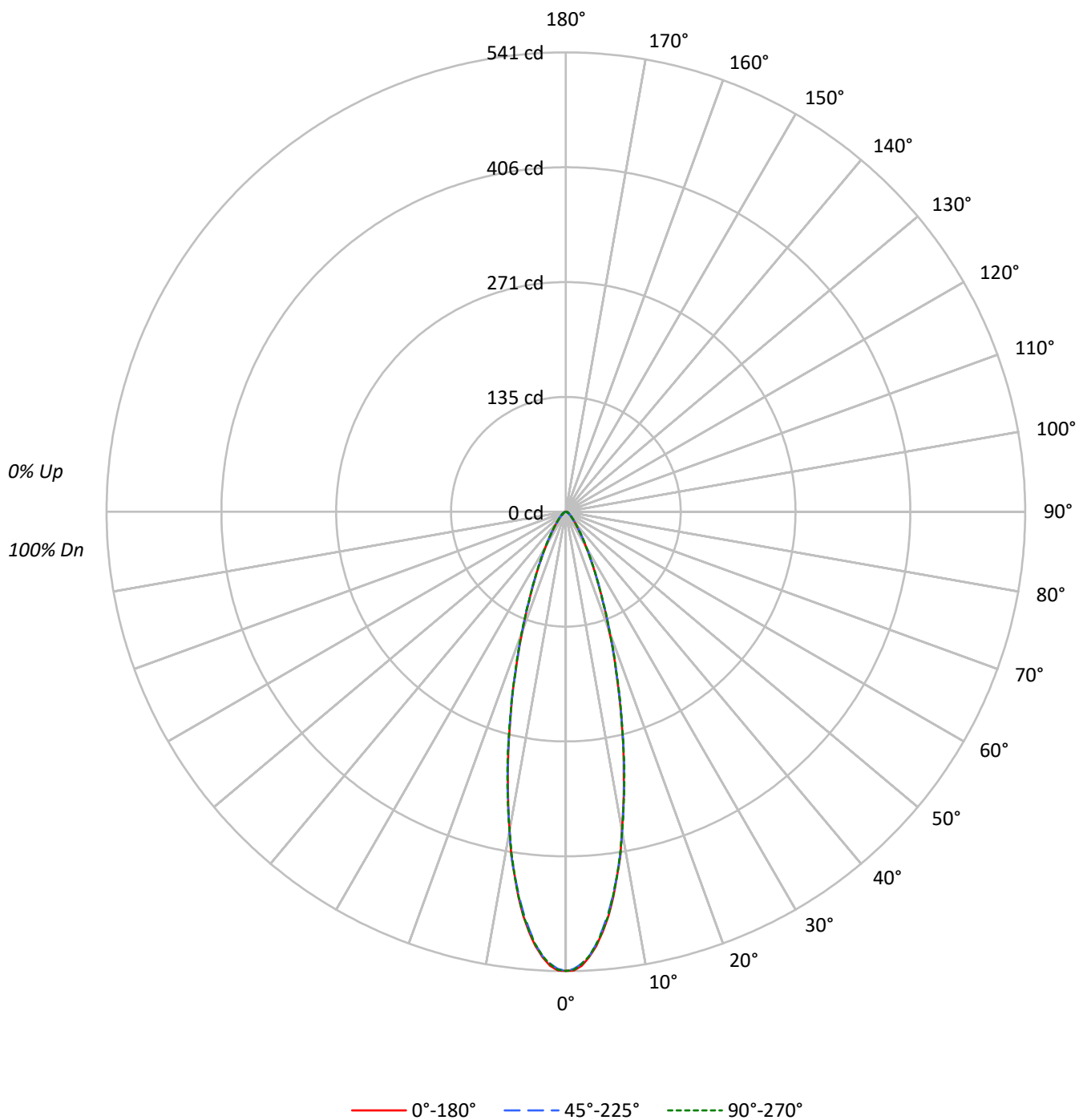
Lumens per Lamp: N/A
Luminaire Lumens: 190.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	93121	93121	93121
5°	85904	85403	85697
10°	66664	66751	66751
15°	45056	45270	45270
20°	27363	27711	27840
25°	16057	16285	16228
30°	9367	9546	9605
35°	5719	5866	5866
40°	3732	3777	3822
45°	2582	2655	2704
50°	1902	1956	1956
55°	1501	1561	1561
60°	1309	1309	1378
65°	1141	1141	1263
70°	1057	1057	1057
75°	932	932	932
80°	694	694	893
85°	395	395	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2704 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	22.9
10°-20°	69.8	36.7
20°-30°	40.4	21.3
30°-40°	18.1	9.5
40°-50°	8.6	4.5
50°-60°	4.7	2.5
60°-70°	2.8	1.5
70°-80°	1.5	0.8
80°-90°	0.3	0.2
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°	153.8	81.0
0°-40°	172.0	90.5
0°-60°	185.3	97.5
0°-90°	190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	541	541	541	541	541	
5°	497	495	494	495	496	44
15°	253	253	254	253	254	70
25°	84	84	86	85	85	40
35°	27	27	28	28	28	18
45°	11	11	11	11	11	8
55°	5	5	5	5	5	5
65°	3	3	3	3	3	3
75°	1	1	1	1	1	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	540.7	540.7	540.7	540.7	540.7
1°	540.4	539.0	538.5	538.1	539.5
2°	535.0	533.3	532.4	532.9	533.1
3°	525.3	524.3	524.3	523.6	524.1
4°	512.7	510.8	510.8	511.1	511.1
5°	496.9	495.2	494.0	495.0	495.7
6°	479.1	477.0	476.1	476.3	478.0
7°	457.4	454.5	455.0	456.2	456.2
8°	432.8	432.5	433.0	432.5	433.0
9°	410.0	406.7	409.6	407.2	408.4
10°	381.2	380.9	381.7	382.4	381.7
12.5°	315.4	316.6	317.1	316.1	318.2
15°	252.7	252.7	253.9	252.7	253.9
17.5°	196.6	196.4	197.3	196.4	197.8
20°	149.3	151.0	151.2	151.2	151.9
22.5°	112.6	112.6	113.6	113.8	113.3
25°	84.5	84.5	85.7	84.9	85.4
27.5°	62.5	62.9	63.9	64.4	64.4
30°	47.1	47.3	48.0	48.3	48.3
32.5°	35.5	36.0	36.4	36.7	36.9
35°	27.2	27.4	27.9	28.2	27.9
37.5°	20.8	21.1	21.5	21.8	21.8
40°	16.6	16.6	16.8	17.0	17.0
42.5°	13.0	13.3	13.3	13.5	13.5
45°	10.6	10.6	10.9	10.9	11.1
47.5°	8.5	8.5	8.8	9.0	9.0
50°	7.1	7.1	7.3	7.3	7.3
52.5°	5.9	5.9	6.2	6.2	6.2
55°	5.0	5.0	5.2	5.2	5.2
57.5°	4.3	4.3	4.5	4.5	4.5
60°	3.8	3.8	3.8	3.8	4.0
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.8	2.8	2.8	2.8	3.1
67.5°	2.4	2.4	2.4	2.4	2.6
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.7	1.7	1.7	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)