

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: P1315331

Luminaire Tested: P3SQAS13R209740DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315331
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: P3SQAS13R209740DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

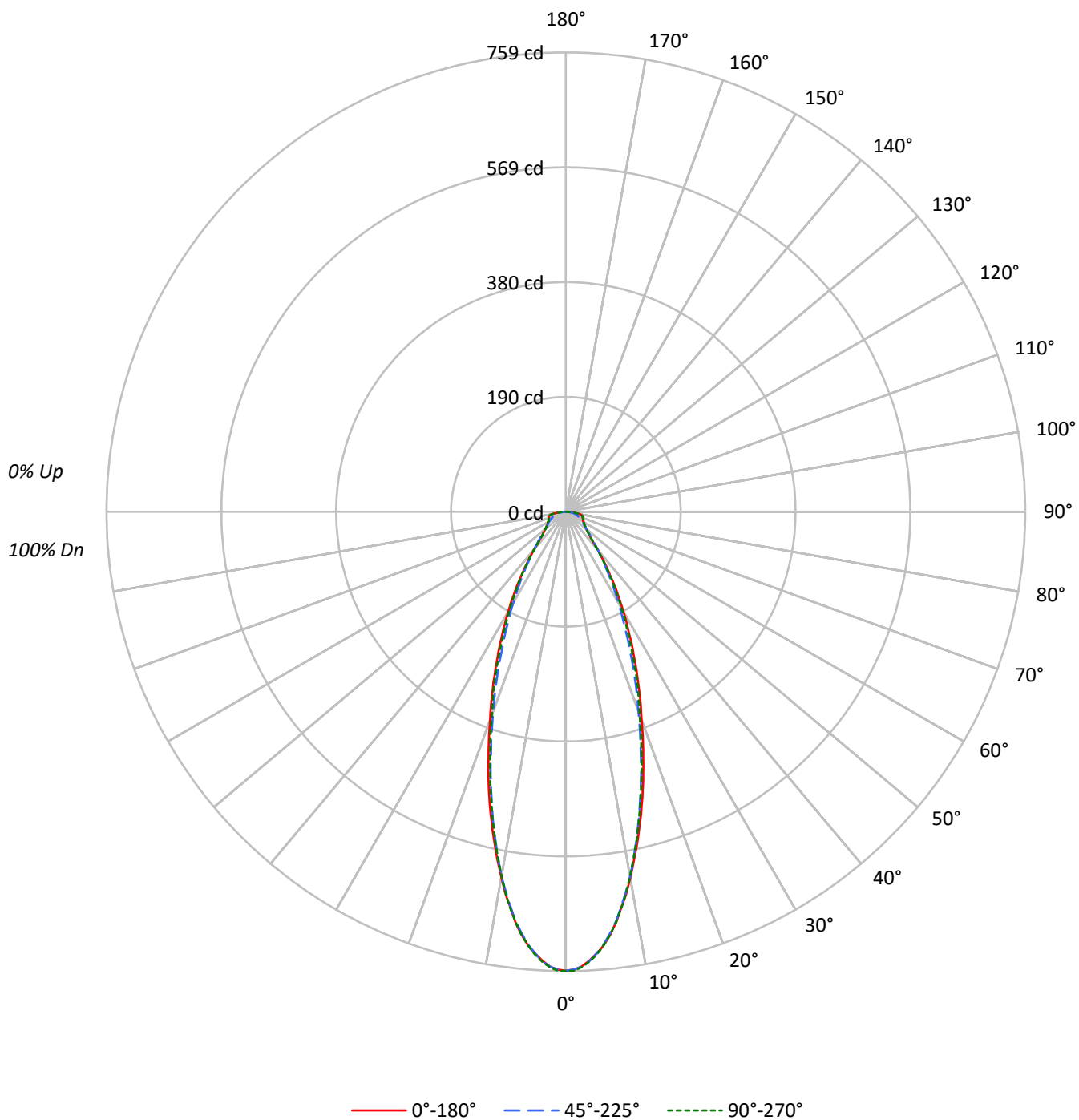
Lumens per Lamp: N/A
Luminaire Lumens: 535.0 lumens
Efficiency: N/A
Efficacy: 36.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	130648	130648	130648
5°	124318	123990	124318
10°	107324	106991	106834
15°	87099	85084	85423
20°	67097	64165	65374
25°	50965	47222	49540
30°	37804	34444	36691
35°	26722	24935	26323
40°	18413	18413	17986
45°	13518	14224	13518
50°	11843	11843	11843
55°	11290	11020	11290
60°	11677	10712	11677
65°	12674	10758	12674
70°	15157	10877	15157
75°	19430	11911	19430
80°	24299	12100	23307
85°	18575	11066	20551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 24299 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.1	12.2
10°-20°	132.9	24.8
20°-30°	118.7	22.2
30°-40°	77.9	14.6
40°-50°	45.3	8.5
50°-60°	33.6	6.3
60°-70°	28.4	5.3
70°-80°	23.5	4.4
80°-90°	9.8	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°	316.6	59.2
0°-40°	394.5	73.7
0°-60°	473.4	88.5
0°-90°	535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	719	718	717	718	719	65
15°	488	484	477	478	479	135
25°	268	261	248	255	261	124
35°	127	123	119	122	125	81
45°	56	56	58	56	56	45
55°	38	37	37	37	38	34
65°	31	28	26	28	31	31
75°	29	22	18	22	29	30
85°	9	10	6	10	10	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	758.6	758.6	758.6	758.6	758.6
1°	756.7	757.7	756.7	757.7	758.6
2°	752.0	753.0	752.0	752.0	753.0
3°	742.6	743.6	743.6	743.6	744.5
4°	731.3	732.3	731.3	732.3	733.2
5°	719.1	718.2	717.2	718.2	719.1
6°	702.2	701.2	700.3	701.2	702.2
7°	683.3	682.4	681.4	681.4	682.4
8°	659.8	660.7	657.9	659.8	660.7
9°	639.1	637.2	635.3	635.3	637.2
10°	613.7	611.8	611.8	610.9	610.9
12.5°	551.6	547.8	545.0	545.0	545.9
15°	488.5	483.8	477.2	478.1	479.1
17.5°	425.4	419.8	411.3	413.2	415.1
20°	366.1	360.5	350.1	353.9	356.7
22.5°	315.3	306.8	297.4	300.3	309.7
25°	268.2	260.7	248.5	255.1	260.7
27.5°	226.8	218.4	208.0	214.6	220.2
30°	190.1	182.6	173.2	178.8	184.5
32.5°	157.2	150.6	144.0	147.8	152.5
35°	127.1	123.3	118.6	122.4	125.2
37.5°	102.6	100.7	98.8	100.7	99.8
40°	81.9	82.8	81.9	81.9	80.0
42.5°	64.9	67.8	68.7	66.8	64.9
45°	55.5	56.5	58.4	56.5	55.5
47.5°	48.9	48.9	49.9	48.9	48.0
50°	44.2	44.2	44.2	44.2	44.2
52.5°	40.5	40.5	39.5	40.5	40.5
55°	37.6	36.7	36.7	36.7	37.6
57.5°	35.8	34.8	33.9	34.8	35.8
60°	33.9	32.0	31.1	32.0	33.9
62.5°	32.0	30.1	29.2	30.1	32.0
65°	31.1	28.2	26.4	28.2	31.1
67.5°	30.1	26.4	24.5	26.4	31.1
70°	30.1	24.5	21.6	25.4	30.1
72.5°	29.2	23.5	19.8	23.5	29.2
75°	29.2	21.6	17.9	21.6	29.2
77.5°	27.3	19.8	15.1	19.8	27.3
80°	24.5	17.9	12.2	17.9	23.5
82.5°	17.9	15.1	9.4	15.1	17.9
85°	9.4	10.4	5.6	10.4	10.4
87.5°	0.9	3.8	1.9	5.6	4.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)