

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: P1312400

Luminaire Tested: P3SQAS13R159727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

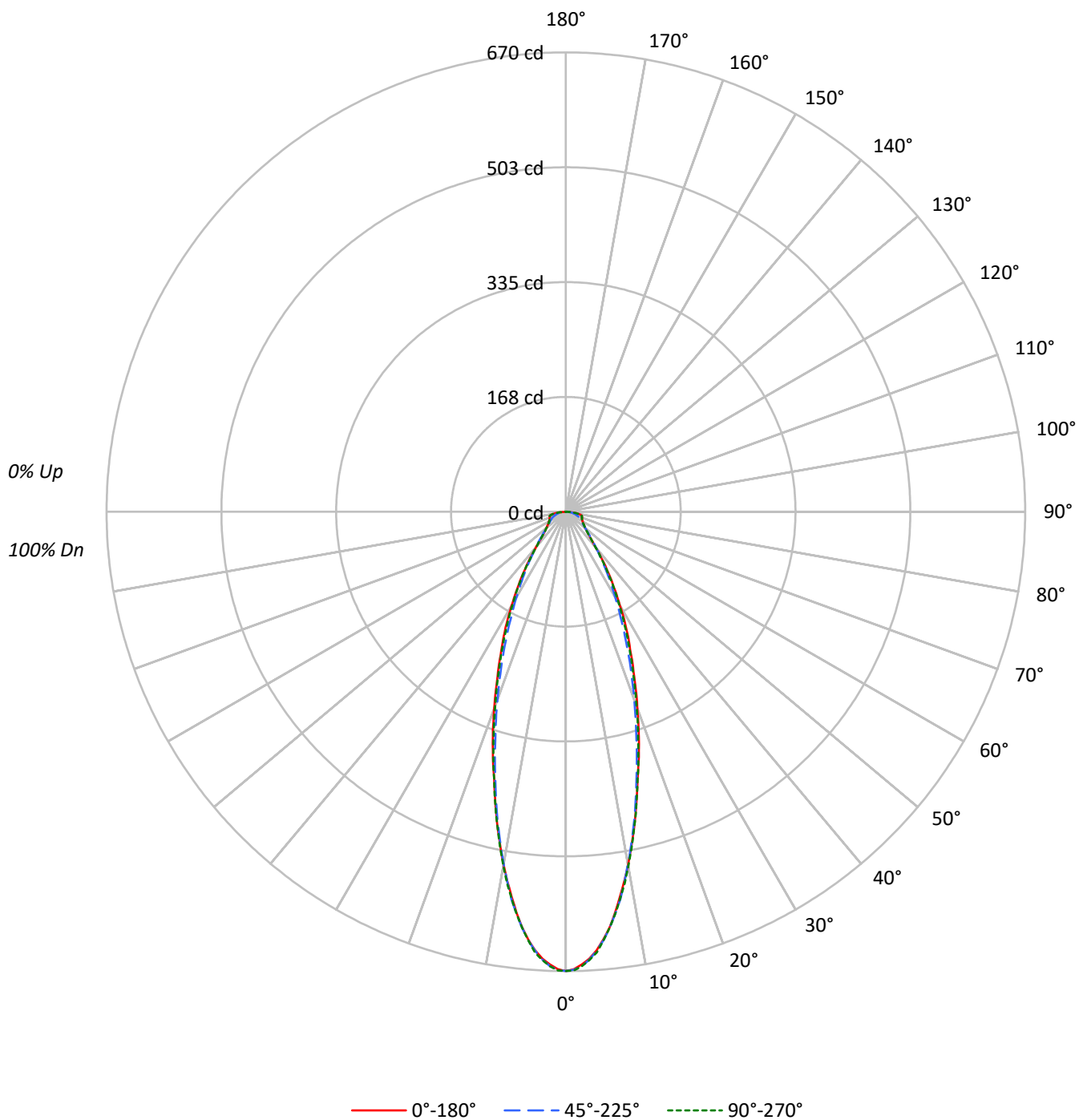
Lumens per Lamp: N/A
Luminaire Lumens: 449.0 lumens
Efficiency: N/A
Efficacy: 30.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	115355	115355	115355
5°	108327	108483	108483
10°	91514	91235	91794
15°	71979	70963	72122
20°	55936	53388	55184
25°	42224	39279	41597
30°	31401	28637	30745
35°	22412	20877	22076
40°	15175	15378	14996
45°	11301	11886	11301
50°	9806	9806	9806
55°	9518	9038	9518
60°	9817	8956	9541
65°	10595	9291	10595
70°	12689	9416	12689
75°	16236	9715	16236
80°	20133	10513	19340
85°	16006	9683	17784

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 20133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.5	12.6
10°-20°	111.7	24.9
20°-30°	98.7	22.0
30°-40°	64.8	14.4
40°-50°	37.9	8.4
50°-60°	27.9	6.2
60°-70°	23.8	5.3
70°-80°	19.6	4.4
80°-90°	8.1	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°	266.9	59.4
0°-40°	331.7	73.9
0°-60°	397.5	88.5
0°-90°	449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	670	670	670	670	670	
5°	627	627	628	628	628	56
15°	404	404	398	403	404	113
25°	222	215	207	212	219	103
35°	107	102	99	102	105	67
45°	46	47	49	47	46	37
55°	32	31	30	31	32	29
65°	26	24	23	24	26	26
75°	24	18	15	19	24	25
85°	8	9	5	8	9	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	669.8	669.8	669.8	669.8	669.8
1°	667.3	668.1	668.1	669.0	669.0
2°	660.8	662.4	663.3	663.3	663.3
3°	652.7	653.5	654.3	655.1	655.1
4°	641.3	642.1	642.1	643.7	644.5
5°	626.6	626.6	627.5	628.3	627.5
6°	609.5	609.5	610.4	610.4	610.4
7°	589.2	590.0	590.8	591.6	590.8
8°	567.2	568.0	570.5	570.5	569.7
9°	545.3	546.1	546.1	548.5	548.5
10°	523.3	523.3	521.7	523.3	524.9
12.5°	463.9	463.1	460.6	463.1	464.7
15°	403.7	403.7	398.0	402.8	404.5
17.5°	354.8	347.5	341.8	346.7	350.8
20°	305.2	297.9	291.3	296.2	301.1
22.5°	260.4	254.7	246.6	251.5	257.2
25°	222.2	214.8	206.7	212.4	218.9
27.5°	190.4	180.7	172.5	179.0	184.7
30°	157.9	151.4	144.0	148.9	154.6
32.5°	130.2	125.3	119.6	123.7	128.6
35°	106.6	102.5	99.3	101.7	105.0
37.5°	85.5	83.8	82.2	83.0	83.0
40°	67.5	68.4	68.4	68.4	66.7
42.5°	55.3	56.2	57.8	56.2	55.3
45°	46.4	47.2	48.8	47.2	46.4
47.5°	40.7	41.5	42.3	40.7	40.7
50°	36.6	36.6	36.6	36.6	36.6
52.5°	34.2	33.4	33.4	33.4	34.2
55°	31.7	30.9	30.1	30.9	31.7
57.5°	29.3	28.5	27.7	28.5	29.3
60°	28.5	26.9	26.0	26.9	27.7
62.5°	26.9	25.2	24.4	25.2	26.9
65°	26.0	23.6	22.8	23.6	26.0
67.5°	25.2	22.0	20.3	22.0	25.2
70°	25.2	20.3	18.7	21.2	25.2
72.5°	24.4	19.5	16.3	19.5	24.4
75°	24.4	17.9	14.6	18.7	24.4
77.5°	22.8	16.3	12.2	17.1	22.8
80°	20.3	14.6	10.6	15.5	19.5
82.5°	14.6	12.2	8.1	12.2	14.6
85°	8.1	9.0	4.9	8.1	9.0
87.5°	0.8	2.4	1.6	4.9	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)