

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: P1313047

Luminaire Tested: P3SQAS05R159730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313047
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: P3SQAS05R159730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

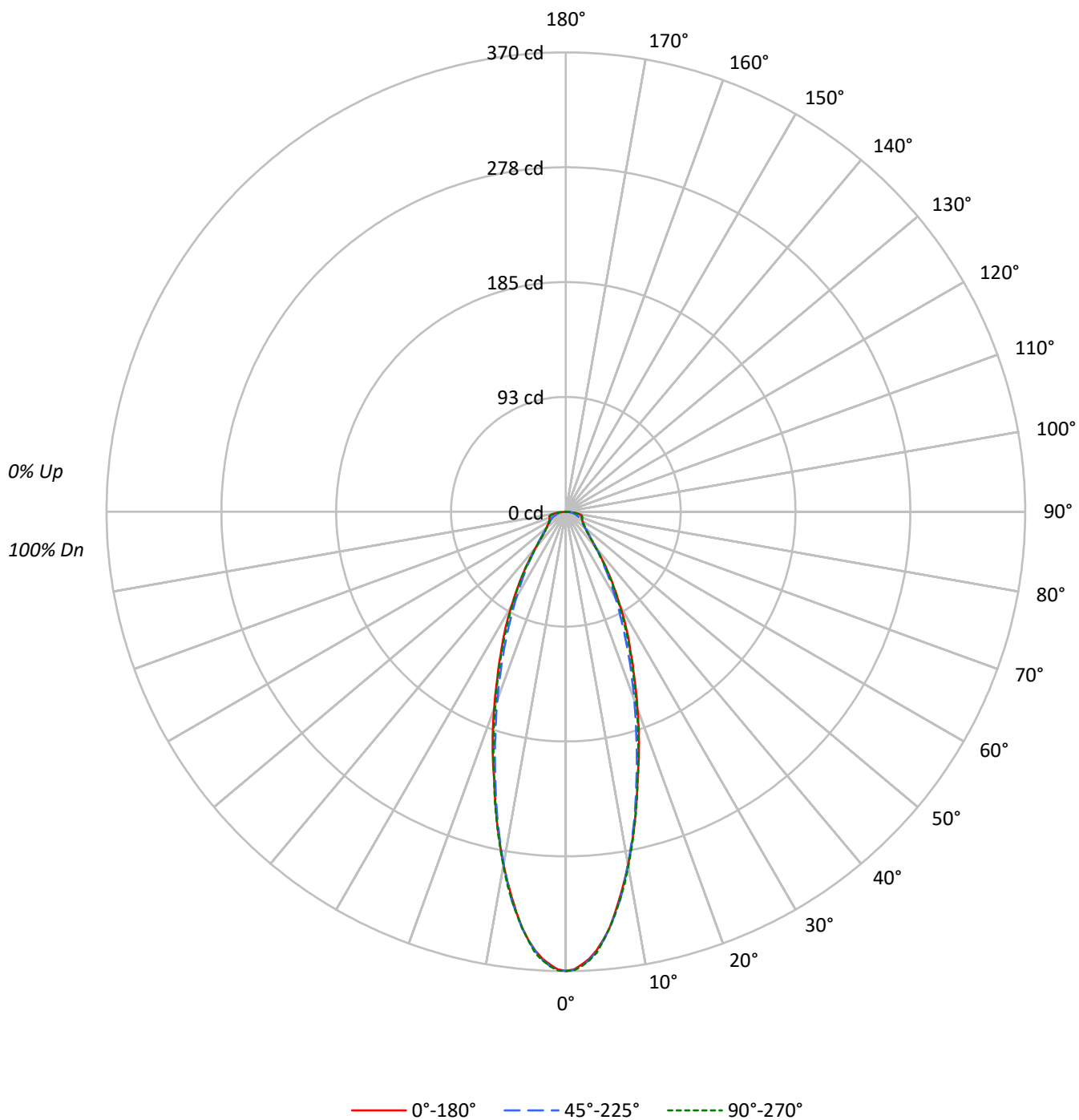
Lumens per Lamp: N/A
Luminaire Lumens: 247.9 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	97		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	84		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	61	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	54	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°	63705	63705	63705
5°	59834	59920	59920
10°	50540	50383	50698
15°	39760	39190	39832
20°	30900	29489	30479
25°	23316	21701	22974
30°	17341	15830	16983
35°	12383	11521	12194
40°	8386	8498	8296
45°	6235	6576	6235
50°	5412	5412	5412
55°	5255	4984	5255
60°	5408	4960	5270
65°	5868	5135	5868
70°	6999	5187	6999
75°	8983	5390	8983
80°	11108	5752	10711
85°	8892	5335	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 11108 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.2	12.6
10°-20°	61.7	24.9
20°-30°	54.5	22.0
30°-40°	35.8	14.4
40°-50°	20.9	8.4
50°-60°	15.4	6.2
60°-70°	13.1	5.3
70°-80°	10.8	4.4
80°-90°	4.5	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°	147.4	59.4
0°-40°	183.2	73.9
0°-60°	219.5	88.5
0°-90°	247.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	247.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	370	370	370	370	370	
5°	346	346	347	347	347	31
15°	223	223	220	222	223	62
25°	123	119	114	117	121	57
35°	59	57	55	56	58	37
45°	26	26	27	26	26	21
55°	18	17	17	17	18	16
65°	14	13	13	13	14	14
75°	14	10	8	10	14	14
85°	4	5	3	4	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	369.9	369.9	369.9	369.9	369.9
1°	368.6	369.0	369.0	369.5	369.5
2°	365.0	365.9	366.3	366.3	366.3
3°	360.5	361.0	361.4	361.8	361.8
4°	354.2	354.7	354.7	355.6	356.0
5°	346.1	346.1	346.6	347.0	346.6
6°	336.7	336.7	337.1	337.1	337.1
7°	325.4	325.9	326.3	326.8	326.3
8°	313.3	313.8	315.1	315.1	314.7
9°	301.2	301.6	301.6	303.0	303.0
10°	289.0	289.0	288.1	289.0	289.9
12.5°	256.2	255.8	254.4	255.8	256.7
15°	223.0	223.0	219.8	222.5	223.4
17.5°	196.0	191.9	188.8	191.5	193.7
20°	168.6	164.5	160.9	163.6	166.3
22.5°	143.8	140.7	136.2	138.9	142.0
25°	122.7	118.7	114.2	117.3	120.9
27.5°	105.2	99.8	95.3	98.9	102.0
30°	87.2	83.6	79.6	82.3	85.4
32.5°	71.9	69.2	66.1	68.3	71.0
35°	58.9	56.6	54.8	56.2	58.0
37.5°	47.2	46.3	45.4	45.8	45.8
40°	37.3	37.8	37.8	37.8	36.9
42.5°	30.6	31.0	31.9	31.0	30.6
45°	25.6	26.1	27.0	26.1	25.6
47.5°	22.5	22.9	23.4	22.5	22.5
50°	20.2	20.2	20.2	20.2	20.2
52.5°	18.9	18.4	18.4	18.4	18.9
55°	17.5	17.1	16.6	17.1	17.5
57.5°	16.2	15.7	15.3	15.7	16.2
60°	15.7	14.8	14.4	14.8	15.3
62.5°	14.8	13.9	13.5	13.9	14.8
65°	14.4	13.0	12.6	13.0	14.4
67.5°	13.9	12.1	11.2	12.1	13.9
70°	13.9	11.2	10.3	11.7	13.9
72.5°	13.5	10.8	9.0	10.8	13.5
75°	13.5	9.9	8.1	10.3	13.5
77.5°	12.6	9.0	6.7	9.4	12.6
80°	11.2	8.1	5.8	8.5	10.8
82.5°	8.1	6.7	4.5	6.7	8.1
85°	4.5	4.9	2.7	4.5	4.9
87.5°	0.4	1.3	0.9	2.7	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)