

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: P1307801

Luminaire Tested: P3SQAS09R159030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307801
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: P3SQAS09R159030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

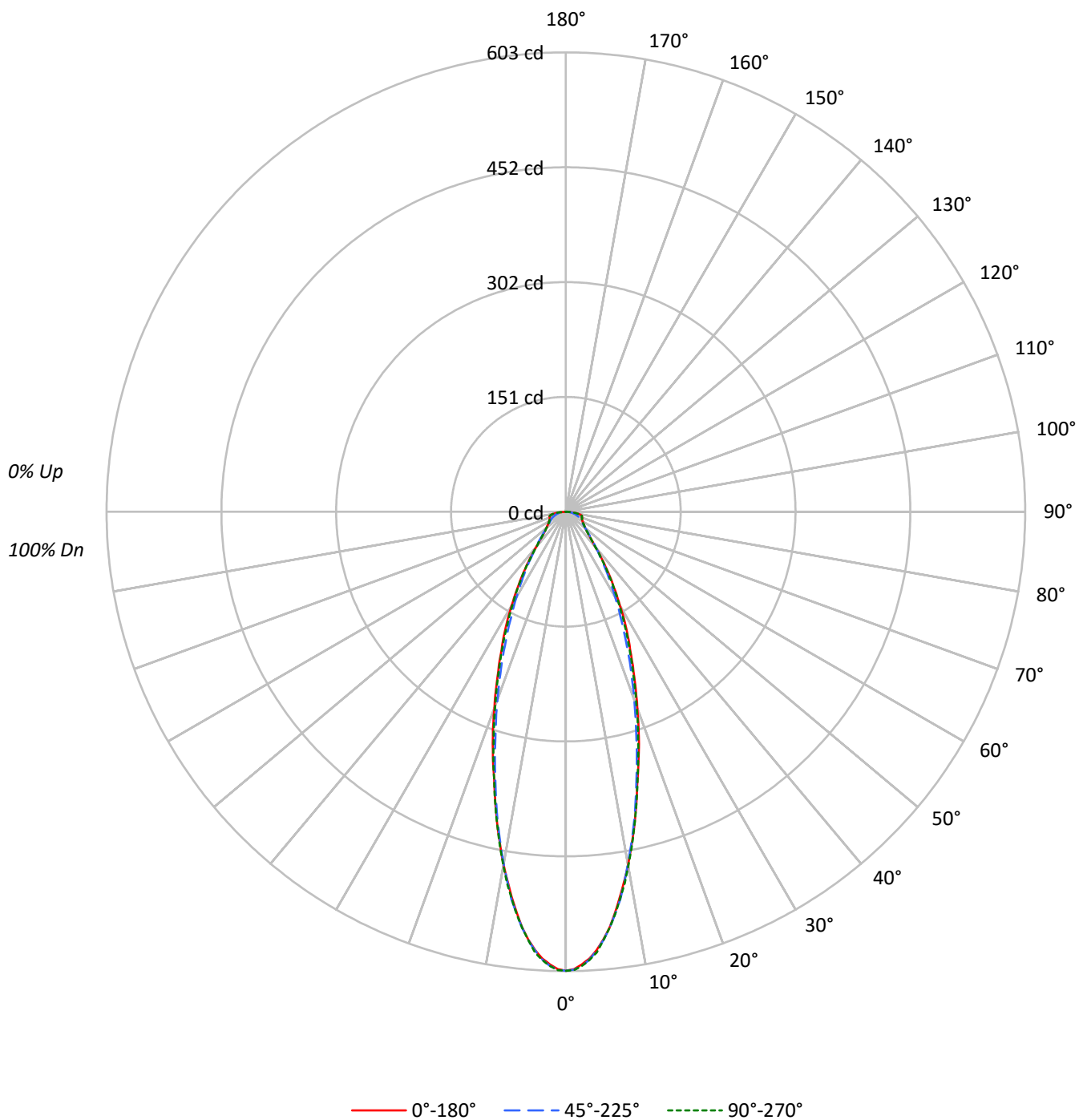
Lumens per Lamp: N/A
Luminaire Lumens: 404.0 lumens
Efficiency: N/A
Efficacy: 36.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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		72	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°	103781	103781	103781
5°	97470	97608	97608
10°	82333	82088	82596
15°	64758	63849	64883
20°	50327	48037	49649
25°	37986	35345	37435
30°	28259	25773	27662
35°	20162	18775	19868
40°	13669	13826	13489
45°	10156	10692	10156
50°	8842	8842	8842
55°	8587	8137	8587
60°	8818	8060	8577
65°	9536	8354	9536
70°	11430	8460	11430
75°	14639	8784	14639
80°	18150	9422	17456
85°	14425	8695	16006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 18150 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.8	12.6
10°-20°	100.5	24.9
20°-30°	88.8	22.0
30°-40°	58.3	14.4
40°-50°	34.1	8.4
50°-60°	25.1	6.2
60°-70°	21.4	5.3
70°-80°	17.6	4.4
80°-90°	7.3	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°	240.1	59.4
0°-40°	298.5	73.9
0°-60°	357.7	88.5
0°-90°	404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	404.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	564	564	565	565	565	51
15°	363	363	358	362	364	102
25°	200	193	186	191	197	92
35°	96	92	89	92	94	60
45°	42	42	44	42	42	34
55°	29	28	27	28	29	26
65°	23	21	20	21	23	23
75°	22	16	13	17	22	22
85°	7	8	4	7	8	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	602.6	602.6	602.6	602.6	602.6
1°	600.4	601.2	601.2	601.9	601.9
2°	594.6	596.1	596.8	596.8	596.8
3°	587.3	588.0	588.7	589.5	589.5
4°	577.0	577.7	577.7	579.2	579.9
5°	563.8	563.8	564.6	565.3	564.6
6°	548.5	548.5	549.2	549.2	549.2
7°	530.2	530.9	531.6	532.3	531.6
8°	510.4	511.1	513.3	513.3	512.6
9°	490.6	491.3	491.3	493.5	493.5
10°	470.8	470.8	469.4	470.8	472.3
12.5°	417.4	416.7	414.5	416.7	418.1
15°	363.2	363.2	358.1	362.5	363.9
17.5°	319.3	312.7	307.5	311.9	315.6
20°	274.6	268.0	262.1	266.5	270.9
22.5°	234.3	229.2	221.9	226.3	231.4
25°	199.9	193.3	186.0	191.1	197.0
27.5°	171.3	162.6	155.2	161.1	166.2
30°	142.1	136.2	129.6	134.0	139.1
32.5°	117.2	112.8	107.6	111.3	115.7
35°	95.9	92.3	89.3	91.5	94.5
37.5°	76.9	75.4	74.0	74.7	74.7
40°	60.8	61.5	61.5	61.5	60.0
42.5°	49.8	50.5	52.0	50.5	49.8
45°	41.7	42.5	43.9	42.5	41.7
47.5°	36.6	37.3	38.1	36.6	36.6
50°	33.0	33.0	33.0	33.0	33.0
52.5°	30.8	30.0	30.0	30.0	30.8
55°	28.6	27.8	27.1	27.8	28.6
57.5°	26.4	25.6	24.9	25.6	26.4
60°	25.6	24.2	23.4	24.2	24.9
62.5°	24.2	22.7	22.0	22.7	24.2
65°	23.4	21.2	20.5	21.2	23.4
67.5°	22.7	19.8	18.3	19.8	22.7
70°	22.7	18.3	16.8	19.0	22.7
72.5°	22.0	17.6	14.6	17.6	22.0
75°	22.0	16.1	13.2	16.8	22.0
77.5°	20.5	14.6	11.0	15.4	20.5
80°	18.3	13.2	9.5	13.9	17.6
82.5°	13.2	11.0	7.3	11.0	13.2
85°	7.3	8.1	4.4	7.3	8.1
87.5°	0.7	2.2	1.5	4.4	3.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)