

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: P1305569

Luminaire Tested: P3SQAS05R209024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305569
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: P3SQAS05R209024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

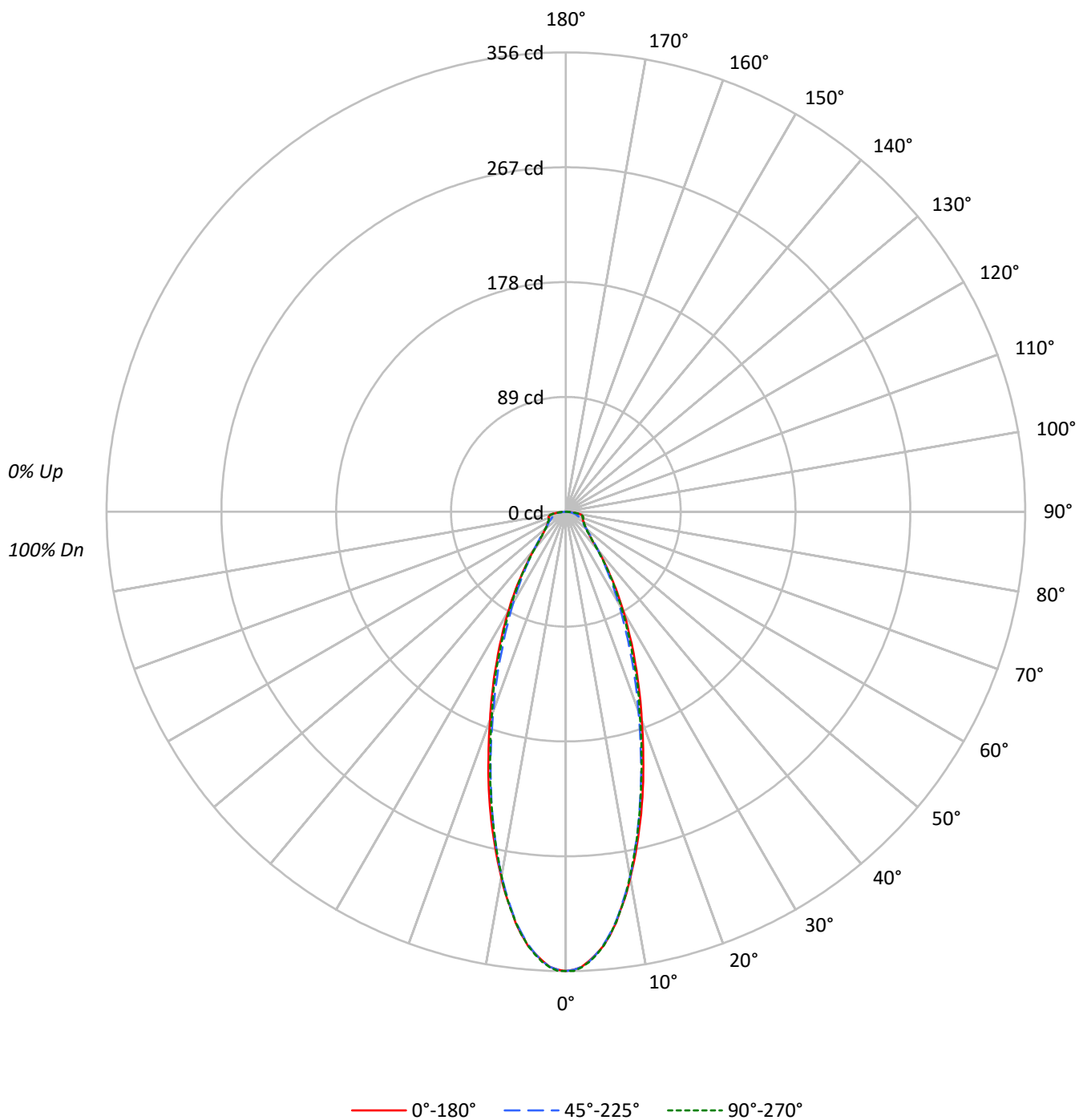
Lumens per Lamp: N/A
Luminaire Lumens: 251.0 lumens
Efficiency: N/A
Efficacy: 34.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	61294	61294	61294
5°	58330	58174	58330
10°	50348	50190	50120
15°	40866	39921	40081
20°	31487	30112	30680
25°	23924	22157	23240
30°	17739	16168	17222
35°	12531	11690	12341
40°	8633	8633	8431
45°	6357	6674	6357
50°	5573	5573	5573
55°	5315	5164	5315
60°	5477	5029	5477
65°	5950	5053	5950
70°	7100	5136	7100
75°	9116	5590	9116
80°	11406	5653	10910
85°	8695	5138	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 11406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	12.2
10°-20°	62.3	24.8
20°-30°	55.7	22.2
30°-40°	36.5	14.5
40°-50°	21.3	8.5
50°-60°	15.8	6.3
60°-70°	13.3	5.3
70°-80°	11.0	4.4
80°-90°	4.6	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°	148.6	59.2
0°-40°	185.1	73.7
0°-60°	222.1	88.5
0°-90°	251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	356	356	356	356	356	
5°	337	337	336	337	337	31
15°	229	227	224	224	225	63
25°	126	122	117	120	122	58
35°	60	58	56	57	59	38
45°	26	26	27	26	26	21
55°	18	17	17	17	18	16
65°	15	13	12	13	15	15
75°	14	10	8	10	14	14
85°	4	5	3	5	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	355.9	355.9	355.9	355.9	355.9
1°	355.0	355.5	355.0	355.5	355.9
2°	352.8	353.3	352.8	352.8	353.3
3°	348.4	348.9	348.9	348.9	349.3
4°	343.1	343.6	343.1	343.6	344.0
5°	337.4	336.9	336.5	336.9	337.4
6°	329.4	329.0	328.5	329.0	329.4
7°	320.6	320.1	319.7	319.7	320.1
8°	309.6	310.0	308.7	309.6	310.0
9°	299.8	299.0	298.1	298.1	299.0
10°	287.9	287.0	287.0	286.6	286.6
12.5°	258.8	257.0	255.7	255.7	256.1
15°	229.2	227.0	223.9	224.3	224.8
17.5°	199.6	196.9	193.0	193.9	194.7
20°	171.8	169.1	164.3	166.0	167.4
22.5°	147.9	144.0	139.5	140.9	145.3
25°	125.9	122.3	116.6	119.7	122.3
27.5°	106.4	102.4	97.6	100.7	103.3
30°	89.2	85.7	81.3	83.9	86.6
32.5°	73.7	70.7	67.6	69.3	71.5
35°	59.6	57.8	55.6	57.4	58.7
37.5°	48.1	47.2	46.4	47.2	46.8
40°	38.4	38.9	38.4	38.4	37.5
42.5°	30.5	31.8	32.2	31.4	30.5
45°	26.1	26.5	27.4	26.5	26.1
47.5°	23.0	23.0	23.4	23.0	22.5
50°	20.8	20.8	20.8	20.8	20.8
52.5°	19.0	19.0	18.5	19.0	19.0
55°	17.7	17.2	17.2	17.2	17.7
57.5°	16.8	16.3	15.9	16.3	16.8
60°	15.9	15.0	14.6	15.0	15.9
62.5°	15.0	14.1	13.7	14.1	15.0
65°	14.6	13.2	12.4	13.2	14.6
67.5°	14.1	12.4	11.5	12.4	14.6
70°	14.1	11.5	10.2	11.9	14.1
72.5°	13.7	11.0	9.3	11.0	13.7
75°	13.7	10.2	8.4	10.2	13.7
77.5°	12.8	9.3	7.1	9.3	12.8
80°	11.5	8.4	5.7	8.4	11.0
82.5°	8.4	7.1	4.4	7.1	8.4
85°	4.4	4.9	2.6	4.9	4.9
87.5°	0.4	1.8	0.9	2.6	2.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)