

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: P1312106

Luminaire Tested: P3SQAS05R259727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312106
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

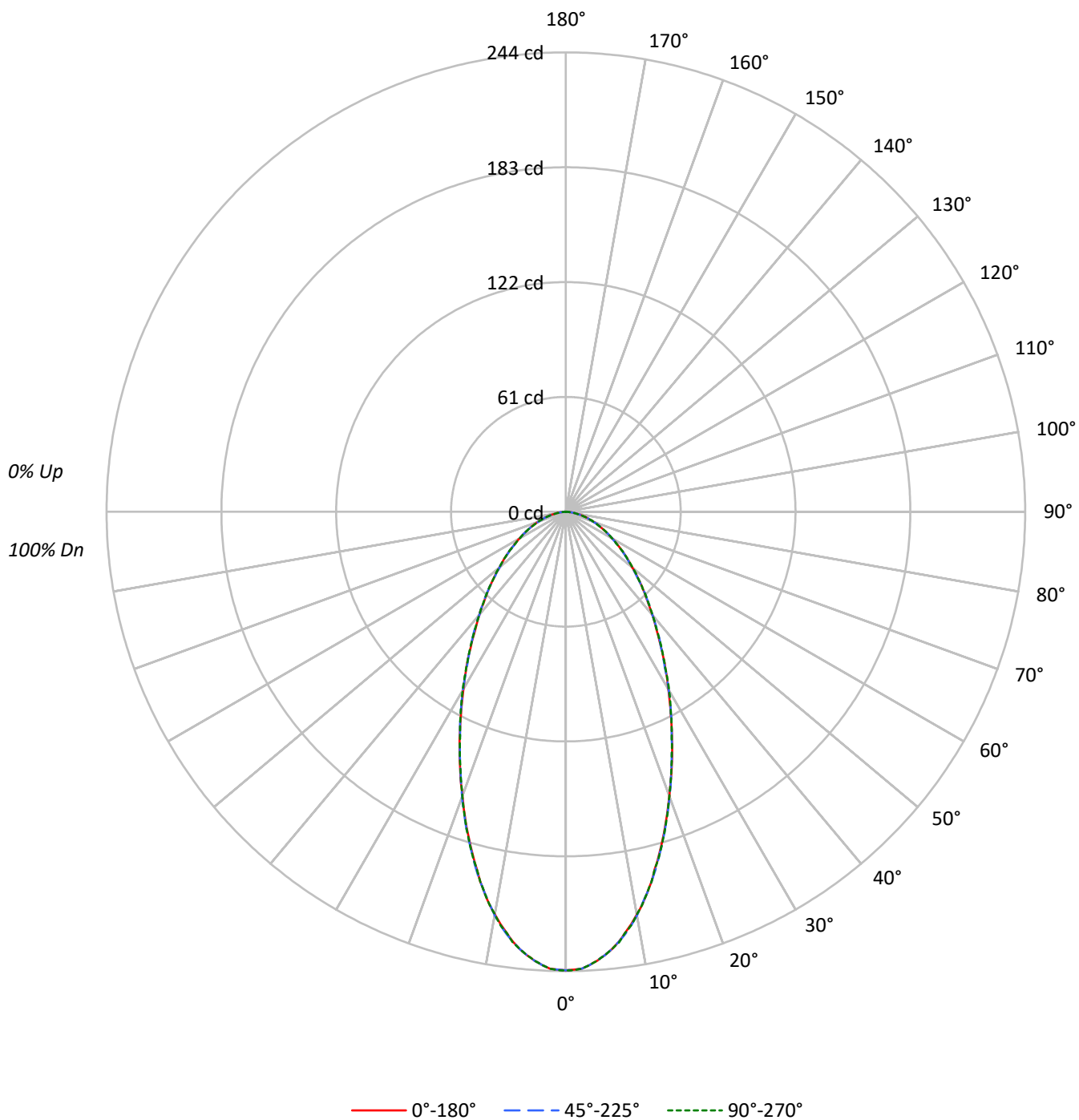
Lumens per Lamp: N/A
Luminaire Lumens: 305.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	63	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41953	41953	41953
5°	40886	40886	40886
10°	37984	38071	37984
15°	33877	33966	33966
20°	29452	29544	29452
25°	25369	25293	25293
30°	21637	21736	21816
35°	18565	18565	18649
40°	16097	16097	16097
45°	14078	14078	14078
50°	12325	12325	12459
55°	11050	11050	11050
60°	9817	9817	9817
65°	8884	8884	8884
70°	8006	7805	8006
75°	7253	6987	6987
80°	5852	5852	5852
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14078 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.0	7.2
10°-20°	53.0	17.4
20°-30°	61.3	20.1
30°-40°	55.5	18.2
40°-50°	44.8	14.7
50°-60°	33.0	10.8
60°-70°	21.7	7.1
70°-80°	11.2	3.7
80°-90°	2.5	0.8
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°	136.3	44.7
0°-40°	191.8	62.9
0°-60°	269.6	88.4
0°-90°	305.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	305.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	244	244	244	244	244	
5°	236	237	236	236	236	22
15°	190	190	190	190	190	53
25°	134	133	133	134	133	61
35°	88	88	88	88	89	55
45°	58	58	58	58	58	45
55°	37	37	37	36	37	33
65°	22	22	22	22	22	22
75°	11	10	10	10	10	11
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	243.6	243.6	243.6	243.6	243.6
1°	243.2	244.0	243.2	243.2	243.6
2°	242.8	243.2	242.8	242.8	242.8
3°	241.1	241.9	241.1	241.1	241.1
4°	239.0	239.8	239.0	239.0	239.0
5°	236.5	237.3	236.5	236.5	236.5
6°	233.6	234.0	233.6	233.6	233.6
7°	230.2	230.6	230.2	230.2	230.6
8°	226.0	226.5	226.5	226.0	226.0
9°	221.8	222.3	222.3	221.8	222.3
10°	217.2	217.7	217.7	217.2	217.2
11°	212.6	213.1	212.2	212.2	212.6
12°	207.2	207.6	207.2	207.2	207.2
13°	201.8	201.8	201.8	201.8	201.8
14°	195.5	196.3	196.3	195.9	195.5
15°	190.0	190.5	190.5	190.0	190.5
17.5°	175.4	176.2	175.8	175.8	175.8
20°	160.7	161.2	161.2	160.7	160.7
22.5°	146.9	146.5	146.5	146.5	146.5
25°	133.5	133.1	133.1	133.5	133.1
27.5°	120.6	121.0	121.0	120.6	121.0
30°	108.8	108.8	109.3	108.8	109.7
32.5°	98.4	98.4	97.9	98.4	98.4
35°	88.3	88.3	88.3	88.3	88.7
37.5°	79.1	79.5	79.9	79.9	79.5
40°	71.6	71.6	71.6	71.6	71.6
42.5°	64.0	64.0	64.5	64.5	64.5
45°	57.8	57.8	57.8	57.8	57.8
47.5°	51.9	51.9	51.5	51.5	51.9
50°	46.0	46.5	46.0	46.0	46.5
52.5°	41.4	41.0	41.0	41.4	41.4
55°	36.8	36.8	36.8	36.4	36.8
57.5°	32.6	32.6	32.2	32.2	32.2
60°	28.5	28.5	28.5	28.5	28.5
62.5°	25.1	25.1	25.1	25.1	25.1
65°	21.8	21.8	21.8	21.8	21.8
67.5°	18.8	18.8	18.8	18.8	18.4
70°	15.9	15.9	15.5	15.5	15.9
72.5°	13.0	13.0	13.0	13.0	13.0
75°	10.9	10.5	10.5	10.5	10.5
77.5°	8.4	8.4	8.0	8.4	8.0
80°	5.9	5.9	5.9	5.9	5.9
82.5°	4.2	3.8	3.8	3.8	3.8
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.4	0.4	0.4	0.4	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)