

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: P1307658

Luminaire Tested: P3SQAS05R209030DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209030DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

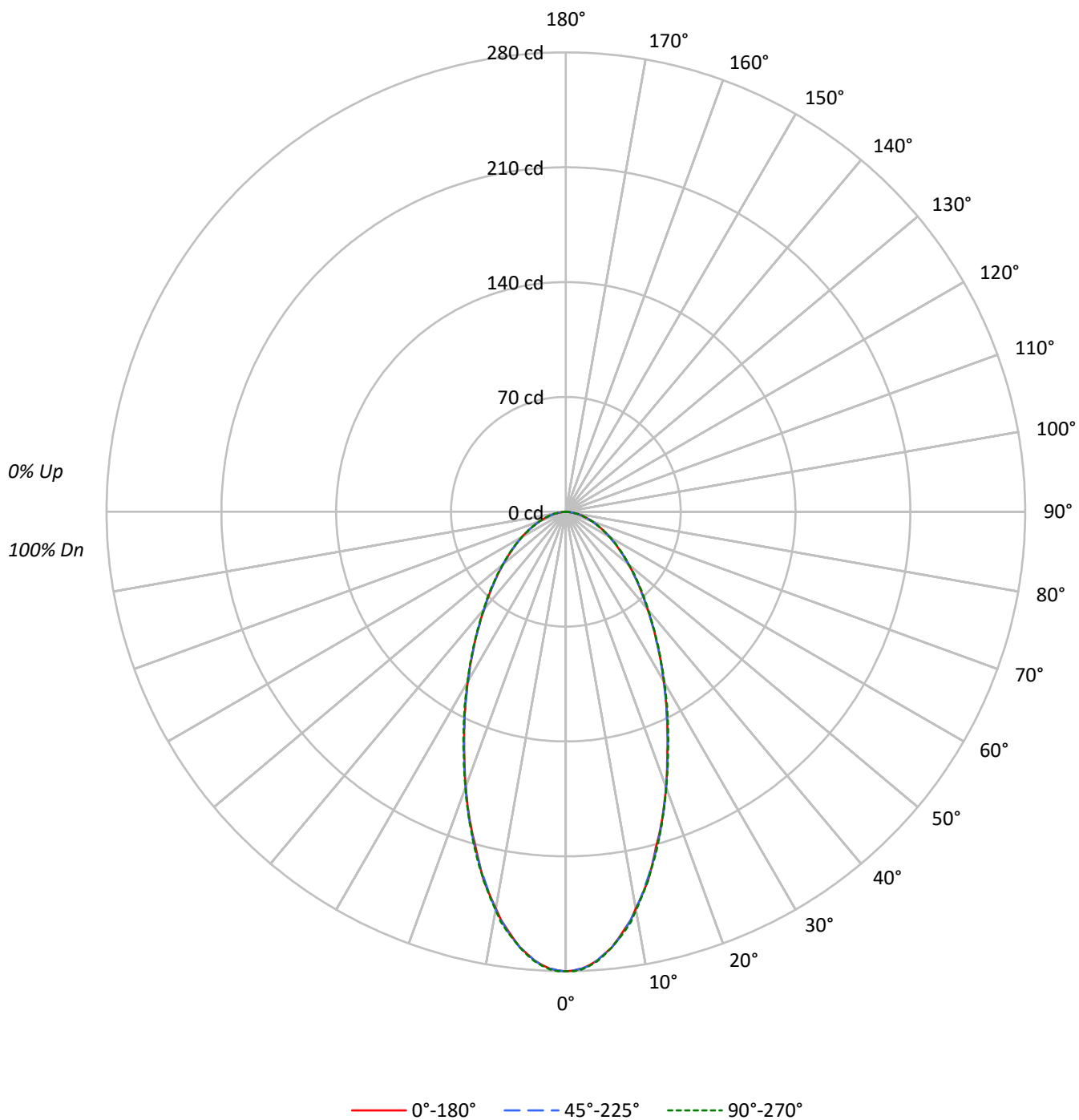
Lumens per Lamp: N/A
Luminaire Lumens: 334.9 lumens
Efficiency: N/A
Efficacy: 46.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48240	48240	48240
5°	46781	46781	46868
10°	42950	43038	43125
15°	37817	37995	38084
20°	32715	32715	32806
25°	27839	27839	28029
30°	23764	23665	23864
35°	20289	20289	20394
40°	17424	17424	17536
45°	15222	15222	15344
50°	13397	13397	13397
55°	11860	11860	12010
60°	10678	10678	10678
65°	9577	9577	9577
70°	8560	8560	8560
75°	7652	7320	7652
80°	6447	6447	6447
85°	3952	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15344 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	7.5
10°-20°	59.3	17.7
20°-30°	67.5	20.2
30°-40°	60.6	18.1
40°-50°	48.6	14.5
50°-60°	35.7	10.7
60°-70°	23.3	7.0
70°-80°	12.1	3.6
80°-90°	2.8	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°	151.9	45.3
0°-40°	212.5	63.4
0°-60°	296.7	88.6
0°-90°	334.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	334.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	280	280	280	280	280	
5°	271	271	271	271	271	25
15°	212	212	213	213	214	59
25°	146	146	146	147	148	67
35°	96	96	96	96	97	61
45°	62	62	62	62	63	48
55°	40	40	40	40	40	36
65°	24	23	24	24	24	23
75°	12	11	11	12	12	12
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°	280.1	280.1	280.1	280.1	280.1
1°	279.6	279.1	279.6	279.6	280.1
2°	278.6	278.6	278.6	278.1	279.1
3°	276.6	276.6	277.1	276.6	277.1
4°	274.1	274.1	274.1	273.6	274.6
5°	270.6	270.6	270.6	270.6	271.1
6°	267.1	266.6	267.1	266.6	267.1
7°	262.1	262.1	262.6	262.1	262.6
8°	257.1	256.6	257.6	257.1	258.1
9°	252.1	251.6	252.1	251.6	253.1
10°	245.6	246.1	246.1	246.1	246.6
12.5°	230.6	229.6	229.6	229.6	230.6
15°	212.1	212.1	213.1	213.1	213.6
17.5°	195.6	195.1	196.1	196.1	196.1
20°	178.5	178.0	178.5	178.5	179.0
22.5°	161.5	162.0	162.0	162.0	162.5
25°	146.5	146.5	146.5	147.0	147.5
27.5°	132.5	132.0	132.5	133.0	133.5
30°	119.5	119.0	119.0	119.5	120.0
32.5°	107.5	107.0	107.5	107.5	108.0
35°	96.5	96.5	96.5	96.5	97.0
37.5°	86.5	86.5	86.5	87.0	87.0
40°	77.5	77.5	77.5	78.0	78.0
42.5°	69.5	69.5	69.5	70.0	70.5
45°	62.5	62.5	62.5	62.5	63.0
47.5°	56.0	56.0	56.0	56.5	56.5
50°	50.0	49.5	50.0	50.5	50.0
52.5°	44.5	44.5	44.5	44.5	45.0
55°	39.5	39.5	39.5	39.5	40.0
57.5°	35.0	35.0	35.0	35.5	35.5
60°	31.0	31.0	31.0	31.0	31.0
62.5°	27.0	27.0	27.0	27.0	27.0
65°	23.5	23.0	23.5	23.5	23.5
67.5°	20.0	20.0	20.0	20.0	20.0
70°	17.0	17.0	17.0	17.0	17.0
72.5°	14.0	14.0	14.0	14.0	14.0
75°	11.5	11.0	11.0	11.5	11.5
77.5°	9.0	8.5	9.0	9.0	9.0
80°	6.5	6.5	6.5	6.5	6.5
82.5°	4.0	4.0	4.0	4.5	4.5
85°	2.0	2.0	2.0	2.5	2.5
87.5°	0.5	0.5	0.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)