

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: P1310051

Luminaire Tested: P3SQAS09R209040DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310051
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: P3SQAS09R209040DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

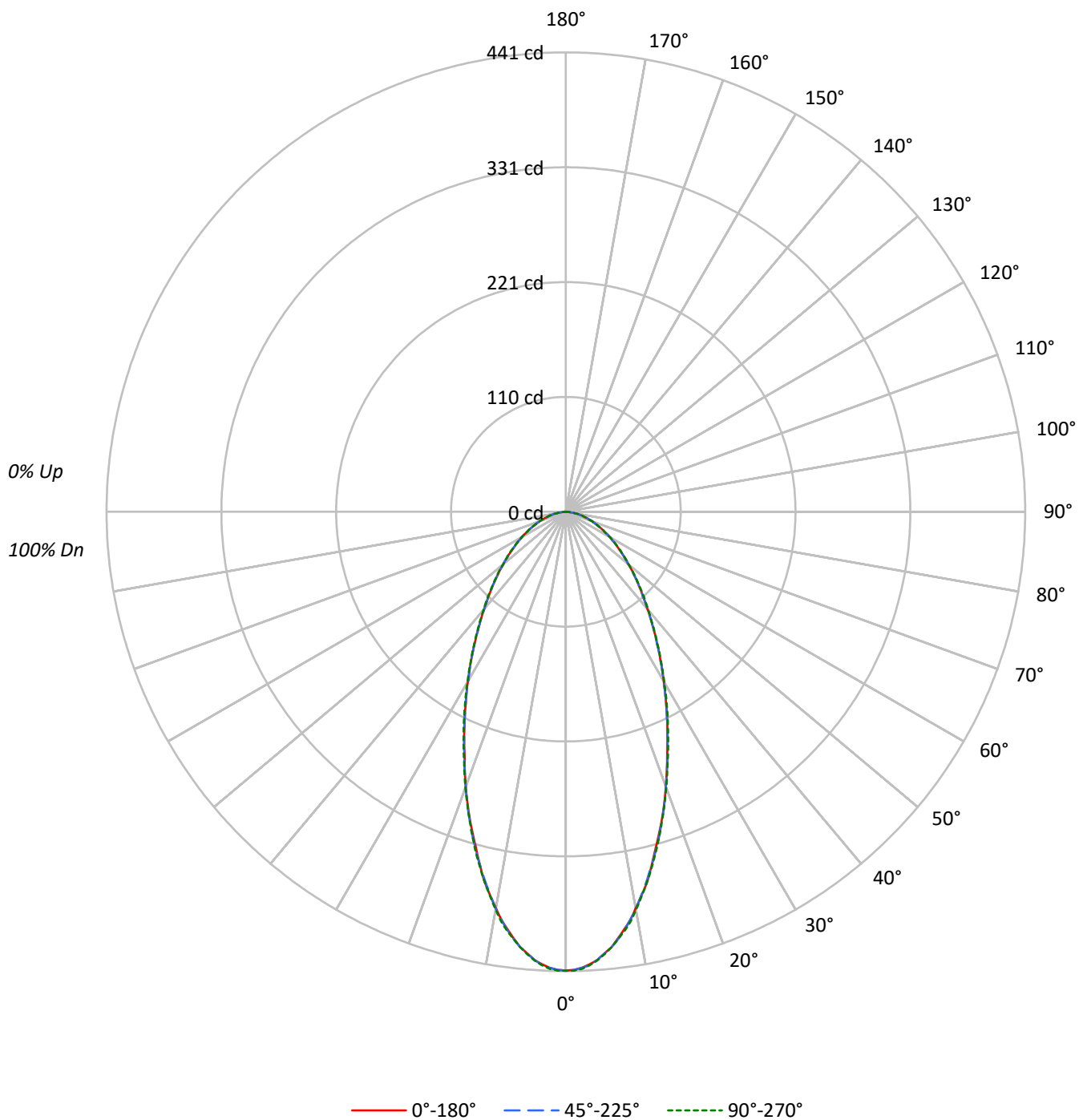
Lumens per Lamp: N/A
Luminaire Lumens: 527.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	75881	75881	75881
5°	73578	73578	73716
10°	67556	67696	67836
15°	59480	59765	59908
20°	51482	51482	51629
25°	43801	43801	44105
30°	37387	37248	37546
35°	31915	31915	32083
40°	27428	27428	27585
45°	23942	23942	24137
50°	21086	21086	21086
55°	18676	18676	18886
60°	16809	16809	16809
65°	15078	15078	15078
70°	13495	13495	13495
75°	12044	11512	12044
80°	10116	10116	10116
85°	6126	6126	7707

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 24137 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	7.5
10°-20°	93.3	17.7
20°-30°	106.2	20.2
30°-40°	95.4	18.1
40°-50°	76.4	14.5
50°-60°	56.2	10.7
60°-70°	36.7	7.0
70°-80°	19.0	3.6
80°-90°	4.4	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°	238.9	45.3
0°-40°	334.3	63.4
0°-60°	466.8	88.6
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	441	441	441	441	441	
5°	426	426	426	426	426	39
15°	334	334	335	335	336	93
25°	230	230	230	231	232	106
35°	152	152	152	152	153	95
45°	98	98	98	98	99	76
55°	62	62	62	62	63	56
65°	37	36	37	37	37	37
75°	18	17	17	18	18	19
85°	3	3	3	4	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	440.6	440.6	440.6	440.6	440.6
1°	439.8	439.0	439.8	439.8	440.6
2°	438.2	438.2	438.2	437.4	439.0
3°	435.1	435.1	435.9	435.1	435.9
4°	431.2	431.2	431.2	430.4	431.9
5°	425.6	425.6	425.6	425.6	426.4
6°	420.1	419.4	420.1	419.4	420.1
7°	412.3	412.3	413.1	412.3	413.1
8°	404.4	403.6	405.2	404.4	406.0
9°	396.5	395.8	396.5	395.8	398.1
10°	386.3	387.1	387.1	387.1	387.9
12.5°	362.7	361.1	361.1	361.1	362.7
15°	333.6	333.6	335.2	335.2	336.0
17.5°	307.6	306.8	308.4	308.4	308.4
20°	280.9	280.1	280.9	280.9	281.7
22.5°	254.1	254.9	254.9	254.9	255.7
25°	230.5	230.5	230.5	231.3	232.1
27.5°	208.5	207.7	208.5	209.3	210.1
30°	188.0	187.3	187.3	188.0	188.8
32.5°	169.2	168.4	169.2	169.2	169.9
35°	151.8	151.8	151.8	151.8	152.6
37.5°	136.1	136.1	136.1	136.9	136.9
40°	122.0	122.0	122.0	122.7	122.7
42.5°	109.4	109.4	109.4	110.1	110.9
45°	98.3	98.3	98.3	98.3	99.1
47.5°	88.1	88.1	88.1	88.9	88.9
50°	78.7	77.9	78.7	79.5	78.7
52.5°	70.0	70.0	70.0	70.0	70.8
55°	62.2	62.2	62.2	62.2	62.9
57.5°	55.1	55.1	55.1	55.9	55.9
60°	48.8	48.8	48.8	48.8	48.8
62.5°	42.5	42.5	42.5	42.5	42.5
65°	37.0	36.2	37.0	37.0	37.0
67.5°	31.5	31.5	31.5	31.5	31.5
70°	26.8	26.8	26.8	26.8	26.8
72.5°	22.0	22.0	22.0	22.0	22.0
75°	18.1	17.3	17.3	18.1	18.1
77.5°	14.2	13.4	14.2	14.2	14.2
80°	10.2	10.2	10.2	10.2	10.2
82.5°	6.3	6.3	6.3	7.1	7.1
85°	3.1	3.1	3.1	3.9	3.9
87.5°	0.8	0.8	0.8	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)