

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: P1305400

Luminaire Tested: P3SQAS02R209024DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305400
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: P3SQAS02R209024DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

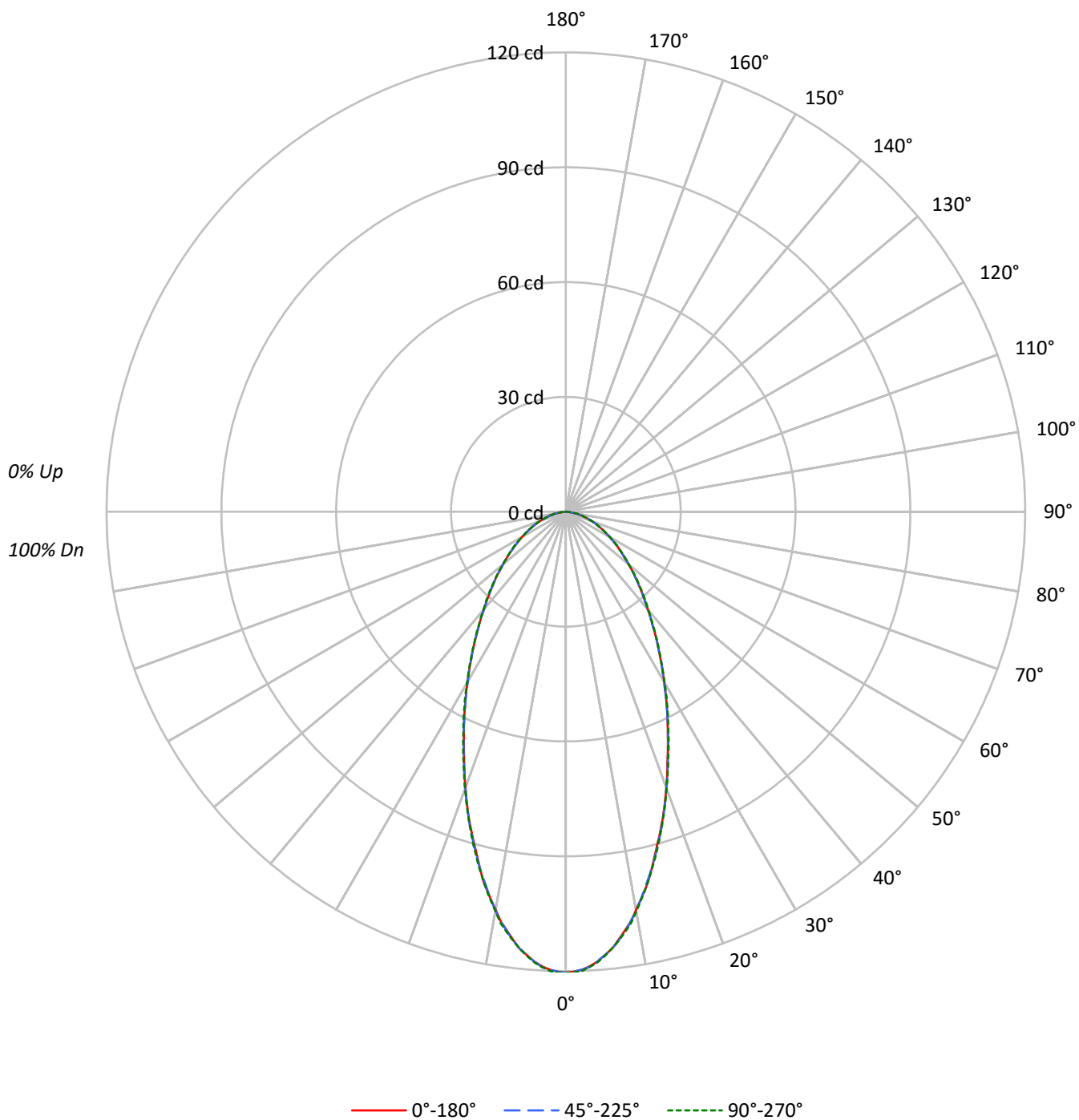
Lumens per Lamp: N/A
Luminaire Lumens: 144.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88	86	84
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77	74	71
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68	65	62
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61	58	55
5	83	72	64	59	81	71	64	59	69	63	58	67	62	57	65	61	57	55	52	49
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50	47	44
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46	43	40
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	44	42	39	36
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39	36	33
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36	33	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20736	20736	20736
5°	20106	20106	20141
10°	18467	18502	18537
15°	16261	16332	16368
20°	14057	14057	14112
25°	11972	11972	12048
30°	10222	10182	10261
35°	8725	8725	8767
40°	7487	7487	7531
45°	6552	6552	6600
50°	5761	5761	5761
55°	5104	5104	5164
60°	4581	4581	4581
65°	4116	4116	4116
70°	3676	3676	3676
75°	3261	3127	3261
80°	2777	2777	2777
85°	1778	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6600 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	7.5
10°-20°	25.5	17.7
20°-30°	29.0	20.2
30°-40°	26.1	18.1
40°-50°	20.9	14.5
50°-60°	15.3	10.6
60°-70°	10.0	7.0
70°-80°	5.2	3.6
80°-90°	1.2	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°	65.3	45.3
0°-40°	91.3	63.4
0°-60°	127.6	88.6
0°-90°	144.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	144.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	120	120	120	120	120	
5°	116	116	116	116	116	11
15°	91	91	92	92	92	25
25°	63	63	63	63	63	29
35°	42	42	42	42	42	26
45°	27	27	27	27	27	21
55°	17	17	17	17	17	15
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	120.4	120.4	120.4	120.4	120.4
1°	120.2	120.0	120.2	120.2	120.4
2°	119.7	119.7	119.7	119.5	120.0
3°	118.9	118.9	119.1	118.9	119.1
4°	117.8	117.8	117.8	117.6	118.0
5°	116.3	116.3	116.3	116.3	116.5
6°	114.8	114.6	114.8	114.6	114.8
7°	112.7	112.7	112.9	112.7	112.9
8°	110.5	110.3	110.7	110.5	110.9
9°	108.4	108.1	108.4	108.1	108.8
10°	105.6	105.8	105.8	105.8	106.0
12.5°	99.1	98.7	98.7	98.7	99.1
15°	91.2	91.2	91.6	91.6	91.8
17.5°	84.1	83.8	84.3	84.3	84.3
20°	76.7	76.5	76.7	76.7	77.0
22.5°	69.4	69.7	69.7	69.7	69.9
25°	63.0	63.0	63.0	63.2	63.4
27.5°	57.0	56.8	57.0	57.2	57.4
30°	51.4	51.2	51.2	51.4	51.6
32.5°	46.2	46.0	46.2	46.2	46.4
35°	41.5	41.5	41.5	41.5	41.7
37.5°	37.2	37.2	37.2	37.4	37.4
40°	33.3	33.3	33.3	33.5	33.5
42.5°	29.9	29.9	29.9	30.1	30.3
45°	26.9	26.9	26.9	26.9	27.1
47.5°	24.1	24.1	24.1	24.3	24.3
50°	21.5	21.3	21.5	21.7	21.5
52.5°	19.1	19.1	19.1	19.1	19.3
55°	17.0	17.0	17.0	17.0	17.2
57.5°	15.0	15.0	15.0	15.3	15.3
60°	13.3	13.3	13.3	13.3	13.3
62.5°	11.6	11.6	11.6	11.6	11.6
65°	10.1	9.9	10.1	10.1	10.1
67.5°	8.6	8.6	8.6	8.6	8.6
70°	7.3	7.3	7.3	7.3	7.3
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.9	4.7	4.7	4.9	4.9
77.5°	3.9	3.7	3.9	3.9	3.9
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.7	1.7	1.7	1.9	1.9
85°	0.9	0.9	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)