

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: P1307524

Luminaire Tested: P3SQAS02R309030DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309030DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

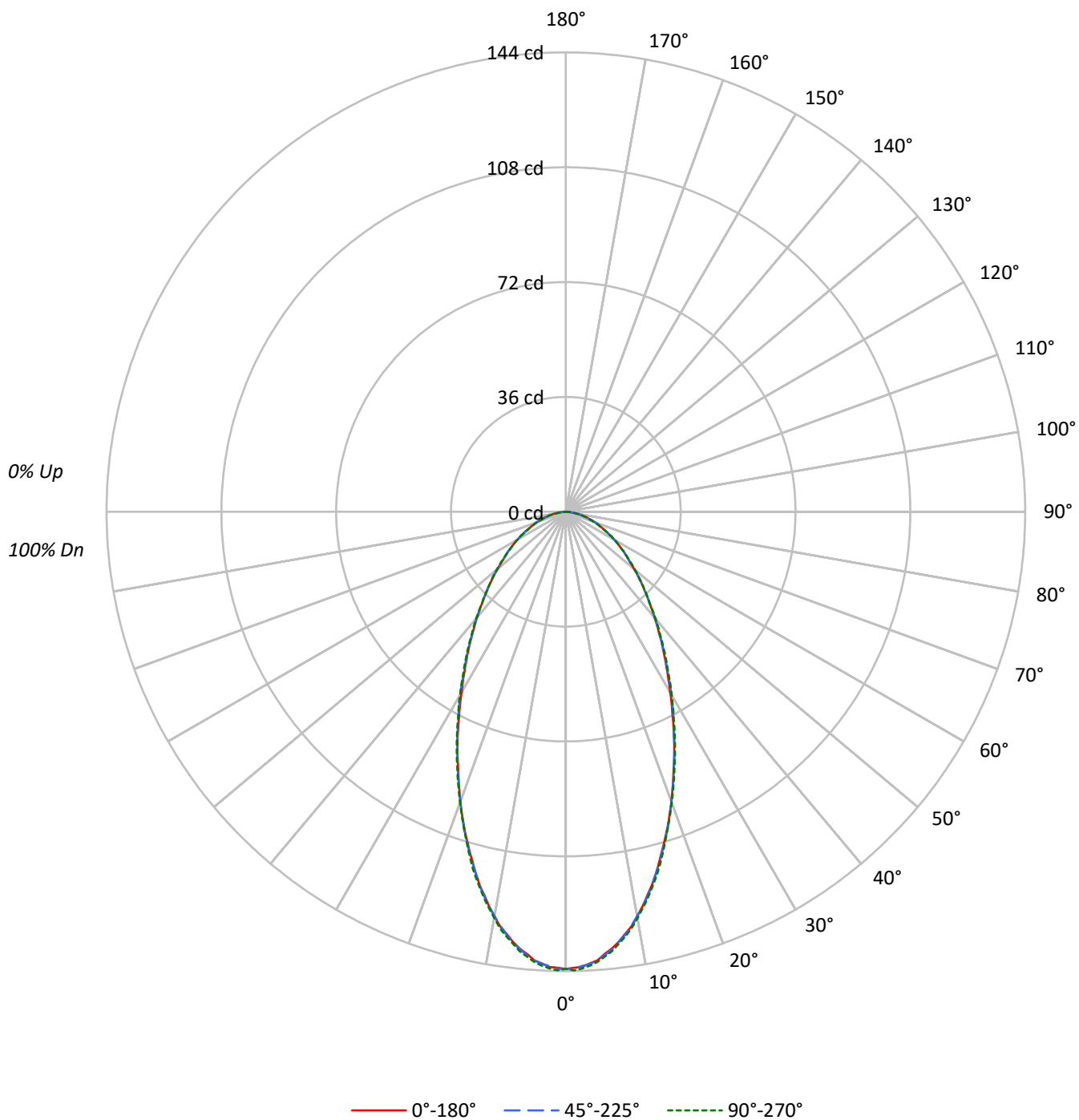
Lumens per Lamp: N/A
Luminaire Lumens: 184.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	73	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24680	24680	24680
5°	24065	24117	24203
10°	22524	22524	22612
15°	20201	20237	20379
20°	17723	17723	17778
25°	15278	15278	15373
30°	13006	13165	13205
35°	11227	11290	11353
40°	9735	9780	9847
45°	8500	8549	8549
50°	7502	7502	7582
55°	6726	6726	6726
60°	6062	6062	6062
65°	5379	5379	5379
70°	4884	4884	4884
75°	4392	4259	4259
80°	3769	3570	3570
85°	2569	2569	2569

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 8549 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.0	7.1
10°-20°	31.6	17.2
20°-30°	37.0	20.1
30°-40°	33.6	18.3
40°-50°	27.2	14.8
50°-60°	20.1	10.9
60°-70°	13.2	7.2
70°-80°	6.8	3.7
80°-90°	1.6	0.9
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°	81.6	44.3
0°-40°	115.2	62.6
0°-60°	162.4	88.2
0°-90°	184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	143	143	143	143	143	
5°	139	139	140	140	140	13
15°	113	114	114	114	114	32
25°	80	80	80	80	81	37
35°	53	53	54	54	54	33
45°	35	35	35	35	35	27
55°	22	22	22	22	22	20
65°	13	13	13	13	13	13
75°	7	6	6	6	6	7
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	143.3	143.3	143.3	143.3	143.3
1°	143.0	143.0	143.3	143.0	143.8
2°	142.8	142.5	142.5	142.5	143.3
3°	141.8	141.8	142.0	141.8	142.5
4°	141.0	140.8	141.0	140.8	141.5
5°	139.2	139.2	139.5	139.5	140.0
6°	137.7	137.7	138.0	137.7	138.5
7°	135.9	135.9	135.9	135.9	136.4
8°	133.6	133.6	133.9	133.9	134.4
9°	131.6	131.3	131.3	131.3	132.1
10°	128.8	128.8	128.8	128.8	129.3
11°	126.0	126.0	126.0	126.0	126.5
12°	122.9	122.9	123.2	122.9	123.7
13°	120.1	120.1	120.1	120.1	120.6
14°	116.8	116.6	116.8	116.8	117.6
15°	113.3	113.5	113.5	113.5	114.3
17.5°	105.1	105.1	105.4	104.9	105.4
20°	96.7	96.5	96.7	96.7	97.0
22.5°	88.1	88.3	88.3	88.3	88.8
25°	80.4	80.2	80.4	80.4	80.9
27.5°	72.5	72.8	73.0	72.8	73.3
30°	65.4	65.9	66.2	65.7	66.4
32.5°	59.0	59.0	59.3	59.6	59.8
35°	53.4	53.2	53.7	53.7	54.0
37.5°	48.1	48.1	48.1	48.4	48.6
40°	43.3	43.3	43.5	43.5	43.8
42.5°	38.9	38.7	38.9	38.9	38.9
45°	34.9	35.1	35.1	35.1	35.1
47.5°	31.3	31.3	31.6	31.3	31.6
50°	28.0	28.0	28.0	28.0	28.3
52.5°	24.9	24.9	24.9	24.9	25.2
55°	22.4	22.1	22.4	22.1	22.4
57.5°	19.9	19.9	19.9	19.9	19.9
60°	17.6	17.3	17.6	17.3	17.6
62.5°	15.3	15.3	15.3	15.3	15.3
65°	13.2	13.2	13.2	13.2	13.2
67.5°	11.5	11.5	11.5	11.2	11.2
70°	9.7	9.7	9.7	9.7	9.7
72.5°	8.1	7.9	7.9	7.9	7.9
75°	6.6	6.4	6.4	6.4	6.4
77.5°	5.1	5.1	4.8	4.8	5.1
80°	3.8	3.6	3.6	3.6	3.6
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.3	1.3	1.3	1.3	1.3
87.5°	0.3	0.3	0.3	0.5	0.5



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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)