

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: P1316689

Luminaire Tested: P3SQAS02R309830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316689
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: P3SQAS02R309830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

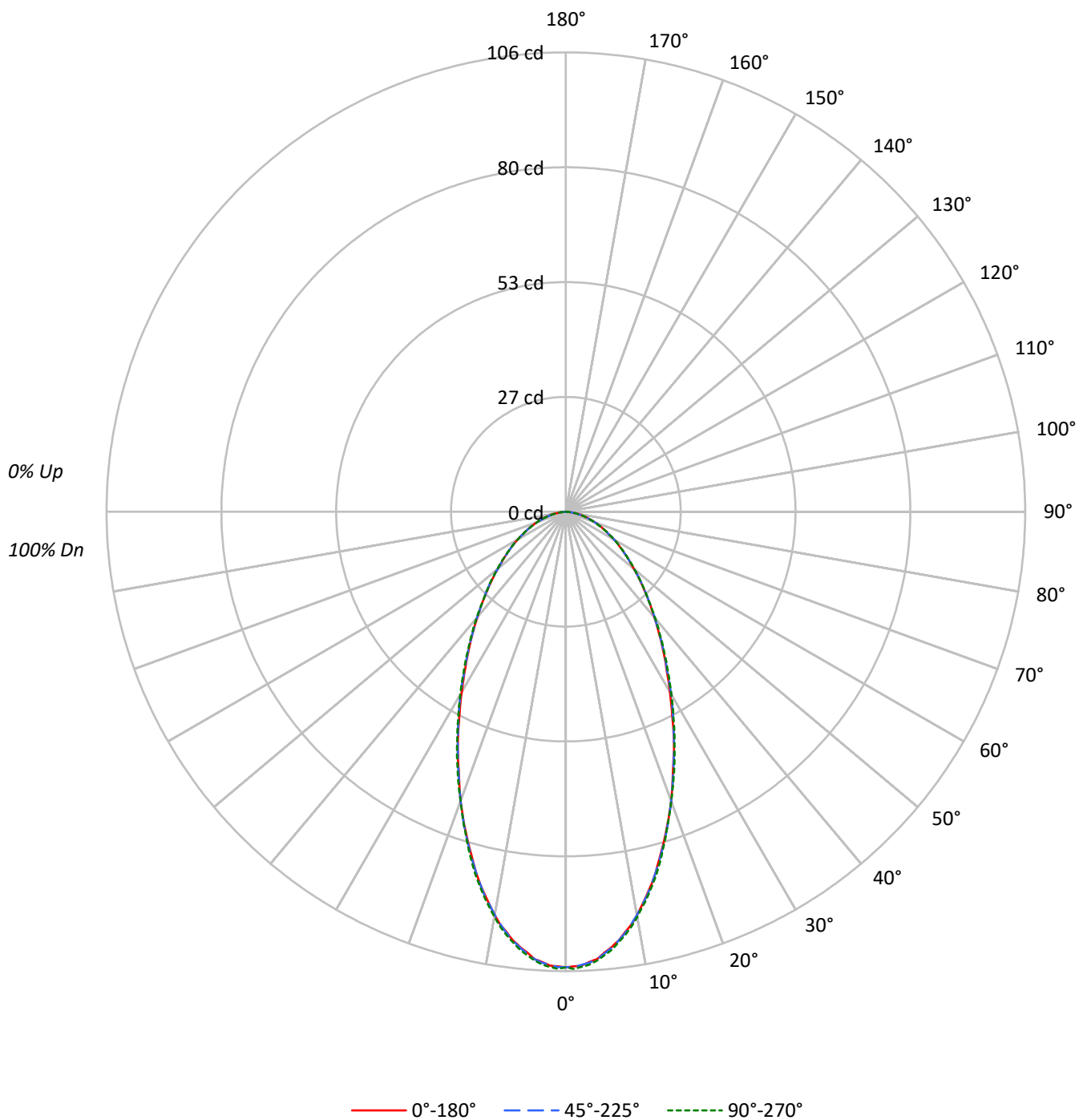
Lumens per Lamp: N/A
Luminaire Lumens: 135.0 lumens
Efficiency: N/A
Efficacy: 37.5 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316689

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316689

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLD1MW

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	100		
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77		
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68		
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60		
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54		
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41		
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38		
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18101	18101	18101
5°	17651	17686	17755
10°	16526	16526	16596
15°	14817	14852	14941
20°	13013	13013	13031
25°	11212	11212	11288
30°	9546	9665	9685
35°	8242	8284	8326
40°	7127	7172	7217
45°	6235	6284	6284
50°	5493	5493	5546
55°	4924	4924	4924
60°	4443	4443	4443
65°	3953	3953	3953
70°	3575	3575	3575
75°	3261	3127	3127
80°	2777	2579	2579
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6284 cd/sqm

TEST NUMBER: P1316689

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	7.1
10°-20°	23.2	17.2
20°-30°	27.1	20.1
30°-40°	24.7	18.3
40°-50°	19.9	14.8
50°-60°	14.7	10.9
60°-70°	9.7	7.2
70°-80°	5.0	3.7
80°-90°	1.1	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°	59.8	44.3
0°-40°	84.5	62.6
0°-60°	119.2	88.3
0°-90°	135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	105	105	105	105	105	
5°	102	102	102	102	103	10
15°	83	83	83	83	84	23
25°	59	59	59	59	59	27
35°	39	39	39	39	40	25
45°	26	26	26	26	26	20
55°	16	16	16	16	16	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	

TEST NUMBER: P1316689

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	105.1	105.1	105.1	105.1	105.1
1°	104.9	104.9	105.1	104.9	105.5
2°	104.8	104.6	104.6	104.6	105.1
3°	104.0	104.0	104.2	104.0	104.6
4°	103.5	103.3	103.5	103.3	103.8
5°	102.1	102.1	102.3	102.3	102.7
6°	101.0	101.0	101.2	101.0	101.6
7°	99.7	99.7	99.7	99.7	100.1
8°	98.0	98.0	98.2	98.2	98.6
9°	96.5	96.4	96.4	96.4	96.9
10°	94.5	94.5	94.5	94.5	94.9
11°	92.4	92.4	92.4	92.4	92.8
12°	90.2	90.2	90.4	90.2	90.8
13°	88.1	88.1	88.1	88.1	88.5
14°	85.7	85.5	85.7	85.7	86.3
15°	83.1	83.3	83.3	83.3	83.8
17.5°	77.1	77.1	77.3	76.9	77.3
20°	71.0	70.8	71.0	71.0	71.1
22.5°	64.6	64.8	64.8	64.8	65.2
25°	59.0	58.8	59.0	59.0	59.4
27.5°	53.2	53.4	53.6	53.4	53.8
30°	48.0	48.4	48.6	48.2	48.7
32.5°	43.3	43.3	43.5	43.7	43.9
35°	39.2	39.0	39.4	39.4	39.6
37.5°	35.3	35.3	35.3	35.5	35.7
40°	31.7	31.7	31.9	31.9	32.1
42.5°	28.6	28.4	28.6	28.6	28.6
45°	25.6	25.8	25.8	25.8	25.8
47.5°	23.0	23.0	23.2	23.0	23.2
50°	20.5	20.5	20.5	20.5	20.7
52.5°	18.3	18.3	18.3	18.3	18.5
55°	16.4	16.2	16.4	16.2	16.4
57.5°	14.6	14.6	14.6	14.6	14.6
60°	12.9	12.7	12.9	12.7	12.9
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.7	9.7	9.7	9.7	9.7
67.5°	8.4	8.4	8.4	8.2	8.2
70°	7.1	7.1	7.1	7.1	7.1
72.5°	6.0	5.8	5.8	5.8	5.8
75°	4.9	4.7	4.7	4.7	4.7
77.5°	3.7	3.7	3.5	3.5	3.7
80°	2.8	2.6	2.6	2.6	2.6
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.2	0.2	0.2	0.4	0.4



TEST NUMBER: P1316689

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)