

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: P1307507

Luminaire Tested: P3SQAS02R259030DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259030DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

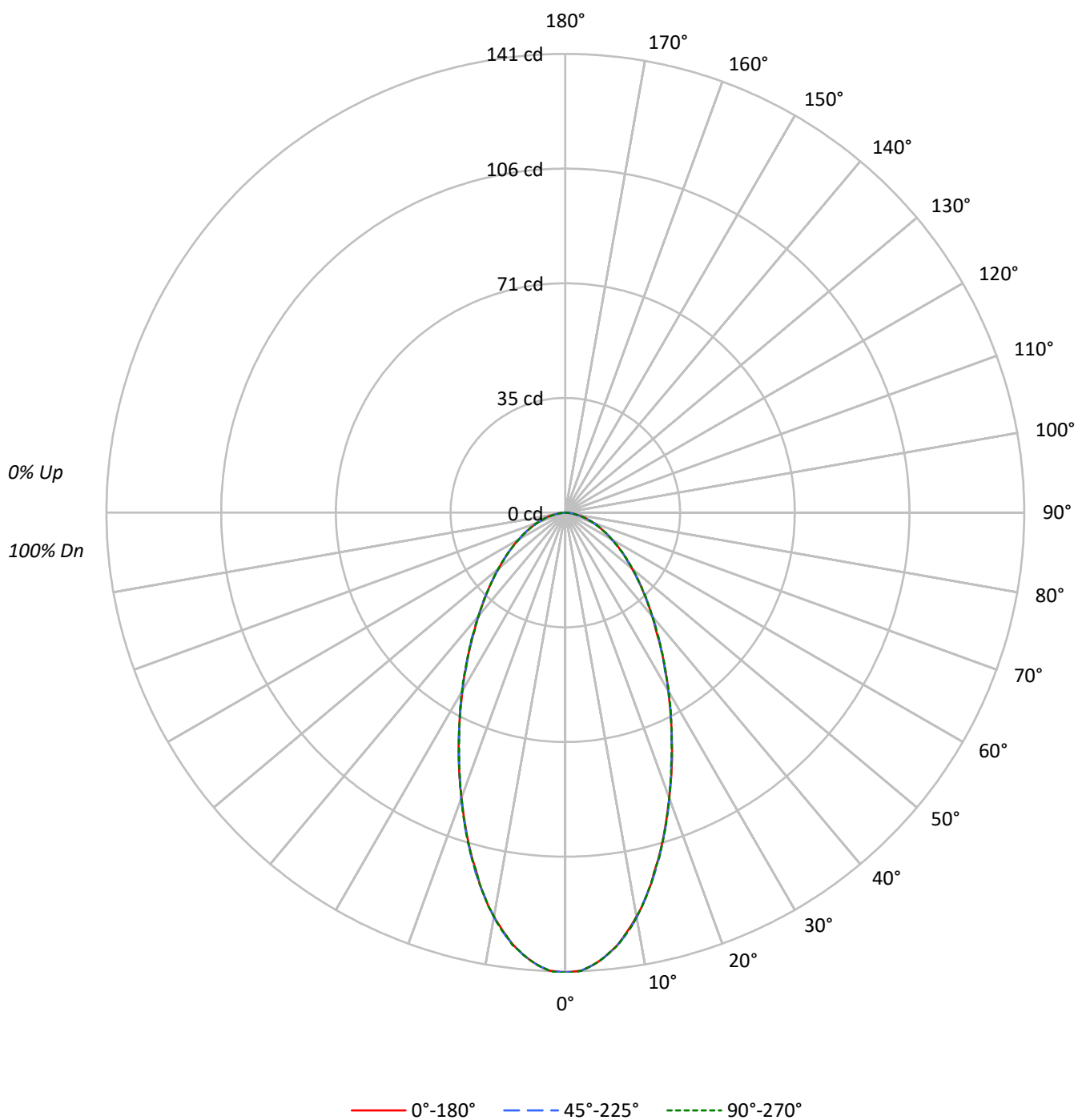
Lumens per Lamp: N/A
Luminaire Lumens: 177.0 lumens
Efficiency: N/A
Efficacy: 49.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307507

CATALOG NUMBER: P3SQAS02R259030DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307507

CATALOG NUMBER: P3SQAS02R259030DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24352	24352	24352
5°	23719	23719	23719
10°	22052	22087	22052
15°	19666	19702	19702
20°	17100	17136	17100
25°	14727	14670	14670
30°	12568	12608	12648
35°	10786	10786	10828
40°	9330	9330	9330
45°	8159	8159	8159
50°	7154	7154	7234
55°	6426	6426	6426
60°	5683	5683	5683
65°	5135	5135	5135
70°	4633	4532	4633
75°	4192	4059	4059
80°	3372	3372	3372
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8159 cd/sqm

TEST NUMBER: P1307507

CATALOG NUMBER: P3SQAS02R259030DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.8	7.2
10°-20°	30.8	17.4
20°-30°	35.6	20.1
30°-40°	32.2	18.2
40°-50°	26.0	14.7
50°-60°	19.1	10.8
60°-70°	12.6	7.1
70°-80°	6.5	3.7
80°-90°	1.5	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°	79.1	44.7
0°-40°	111.3	62.9
0°-60°	156.4	88.4
0°-90°	177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	141	141	141	141	141	
5°	137	138	137	137	137	13
15°	110	110	110	110	110	31
25°	78	77	77	78	77	36
35°	51	51	51	51	52	32
45°	34	34	34	34	34	26
55°	21	21	21	21	21	19
65°	13	13	13	13	13	13
75°	6	6	6	6	6	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1307507

CATALOG NUMBER: P3SQAS02R259030DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	141.4	141.4	141.4	141.4	141.4
1°	141.1	141.6	141.1	141.1	141.4
2°	140.9	141.1	140.9	140.9	140.9
3°	139.9	140.4	139.9	139.9	139.9
4°	138.7	139.2	138.7	138.7	138.7
5°	137.2	137.7	137.2	137.2	137.2
6°	135.5	135.8	135.5	135.5	135.5
7°	133.6	133.8	133.6	133.6	133.8
8°	131.2	131.4	131.4	131.2	131.2
9°	128.7	129.0	129.0	128.7	129.0
10°	126.1	126.3	126.3	126.1	126.1
11°	123.4	123.6	123.2	123.2	123.4
12°	120.2	120.5	120.2	120.2	120.2
13°	117.1	117.1	117.1	117.1	117.1
14°	113.4	113.9	113.9	113.7	113.4
15°	110.3	110.5	110.5	110.3	110.5
17.5°	101.8	102.3	102.0	102.0	102.0
20°	93.3	93.5	93.5	93.3	93.3
22.5°	85.3	85.0	85.0	85.0	85.0
25°	77.5	77.2	77.2	77.5	77.2
27.5°	70.0	70.2	70.2	70.0	70.2
30°	63.2	63.2	63.4	63.2	63.6
32.5°	57.1	57.1	56.8	57.1	57.1
35°	51.3	51.3	51.3	51.3	51.5
37.5°	45.9	46.2	46.4	46.4	46.2
40°	41.5	41.5	41.5	41.5	41.5
42.5°	37.2	37.2	37.4	37.4	37.4
45°	33.5	33.5	33.5	33.5	33.5
47.5°	30.1	30.1	29.9	29.9	30.1
50°	26.7	27.0	26.7	26.7	27.0
52.5°	24.0	23.8	23.8	24.0	24.0
55°	21.4	21.4	21.4	21.1	21.4
57.5°	18.9	18.9	18.7	18.7	18.7
60°	16.5	16.5	16.5	16.5	16.5
62.5°	14.6	14.6	14.6	14.6	14.6
65°	12.6	12.6	12.6	12.6	12.6
67.5°	10.9	10.9	10.9	10.9	10.7
70°	9.2	9.2	9.0	9.0	9.2
72.5°	7.5	7.5	7.5	7.5	7.5
75°	6.3	6.1	6.1	6.1	6.1
77.5°	4.9	4.9	4.6	4.9	4.6
80°	3.4	3.4	3.4	3.4	3.4
82.5°	2.4	2.2	2.2	2.2	2.2
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.2	0.2	0.2	0.2	0.5



TEST NUMBER: P1307507

CATALOG NUMBER: P3SQAS02R259030DE010 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)