

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: P1305435

Luminaire Tested: P3SQASS02R309024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305435
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R309024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

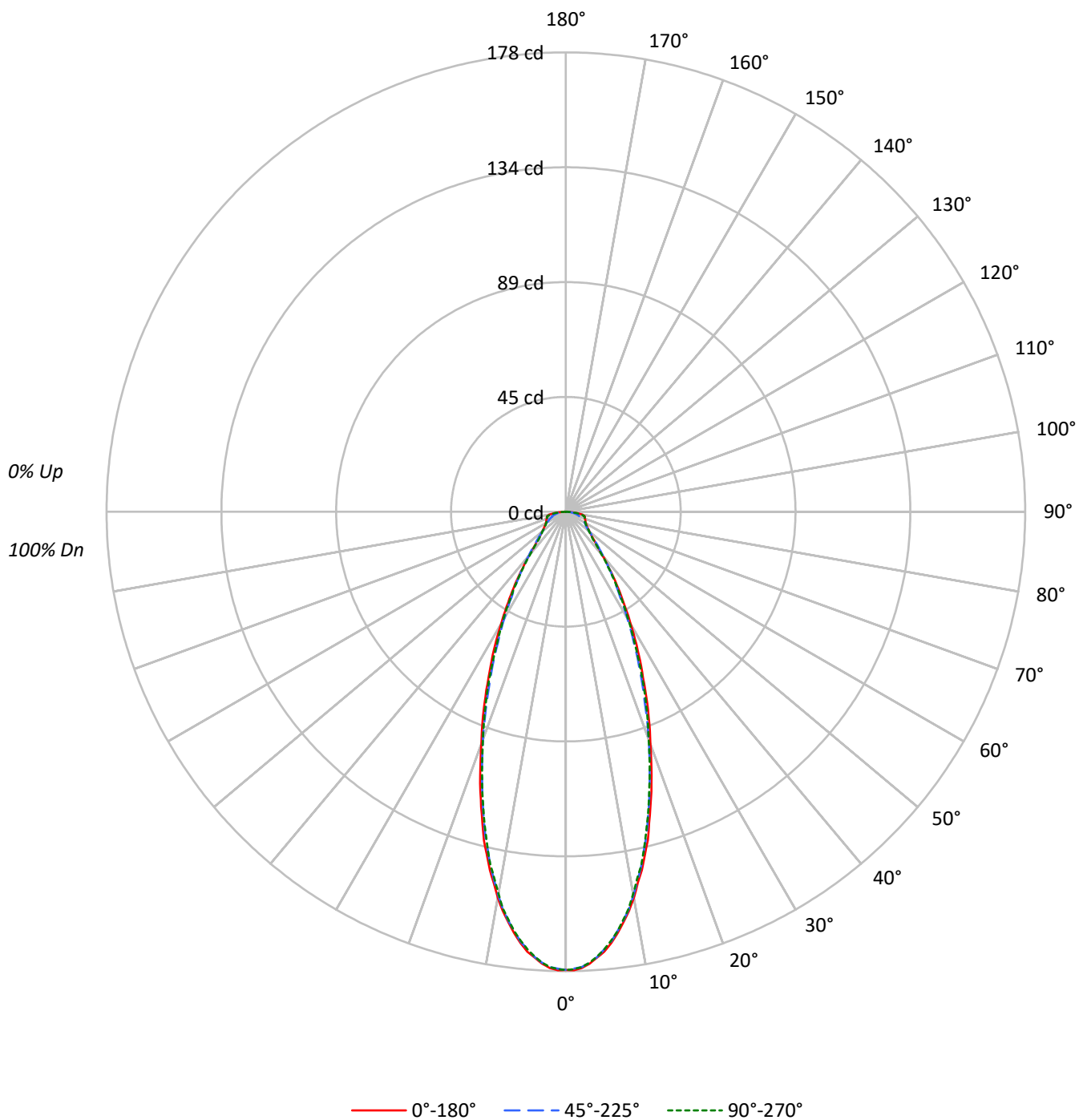
Lumens per Lamp: N/A
Luminaire Lumens: 140.0 lumens
Efficiency: N/A
Efficacy: 38.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305435

CATALOG NUMBER: P3SQASS02R309024DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305435

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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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30570	30570	30570
5°	29580	29424	29424
10°	26547	26389	26284
15°	22252	21913	21859
20°	17558	17210	17210
25°	13454	12922	13169
30°	9983	9466	9685
35°	7211	6896	6938
40°	4969	5058	4811
45°	3702	3873	3556
50°	3215	3162	3162
55°	3033	2883	2973
60°	3100	2893	3031
65°	3423	2893	3301
70°	3978	2921	3877
75°	5124	3127	4991
80°	6347	3372	5951
85°	5138	3359	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6347 cd/sqm

TEST NUMBER: P1305435

CATALOG NUMBER: P3SQASS02R309024DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.7	11.2
10°-20°	34.0	24.3
20°-30°	31.7	22.7
30°-40°	21.0	15.0
40°-50°	12.3	8.8
50°-60°	8.9	6.4
60°-70°	7.5	5.4
70°-80°	6.2	4.5
80°-90°	2.6	1.9
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°	81.4	58.2
0°-40°	102.5	73.2
0°-60°	123.6	88.3
0°-90°	140.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	140.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	178	178	178	178	178	
5°	171	171	170	170	170	16
15°	125	124	123	123	123	34
25°	71	70	68	68	69	33
35°	34	34	33	33	33	22
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	8	8	7	8	8	8
75°	8	6	5	6	8	8
85°	3	3	2	3	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1305435

CATALOG NUMBER: P3SQASS02R309024DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	177.5	177.5	177.5	177.5	177.5
1°	177.7	177.5	177.1	177.3	177.3
2°	176.9	176.7	176.5	176.5	176.5
3°	175.4	175.2	175.0	175.0	175.0
4°	173.2	173.0	173.0	172.8	172.8
5°	171.1	170.9	170.2	170.2	170.2
6°	168.1	167.9	167.5	167.2	167.2
7°	164.5	164.5	163.8	163.6	163.8
8°	160.6	160.4	160.0	159.7	159.7
9°	156.5	155.9	155.9	155.2	155.7
10°	151.8	151.4	150.9	150.5	150.3
11°	146.4	146.2	145.6	145.2	144.9
12°	141.9	140.9	140.4	139.8	140.2
13°	136.2	135.5	134.4	134.2	134.4
14°	131.2	129.9	129.1	128.6	128.4
15°	124.8	123.5	122.9	122.6	122.6
17.5°	110.4	109.6	107.9	107.9	107.9
20°	95.8	95.0	93.9	93.7	93.9
22.5°	83.2	81.7	80.0	80.2	81.5
25°	70.8	69.5	68.0	68.2	69.3
27.5°	60.3	58.5	57.0	57.5	58.1
30°	50.2	49.1	47.6	48.0	48.7
32.5°	41.6	41.0	39.2	39.7	40.3
35°	34.3	33.7	32.8	33.0	33.0
37.5°	27.4	27.4	27.2	27.0	26.8
40°	22.1	22.5	22.5	21.9	21.4
42.5°	18.0	18.4	18.9	18.0	17.4
45°	15.2	15.4	15.9	15.0	14.6
47.5°	13.3	13.3	13.7	13.1	12.9
50°	12.0	12.0	11.8	11.6	11.8
52.5°	10.9	10.7	10.5	10.7	10.7
55°	10.1	9.9	9.6	9.9	9.9
57.5°	9.4	9.2	9.0	9.0	9.2
60°	9.0	8.6	8.4	8.6	8.8
62.5°	8.6	7.9	7.7	7.9	8.4
65°	8.4	7.5	7.1	7.5	8.1
67.5°	8.1	7.1	6.4	7.1	7.9
70°	7.9	6.6	5.8	6.6	7.7
72.5°	7.7	6.2	5.4	6.2	7.7
75°	7.7	5.8	4.7	5.8	7.5
77.5°	7.3	5.4	4.1	5.4	7.1
80°	6.4	4.9	3.4	4.7	6.0
82.5°	4.7	4.3	2.6	4.1	4.5
85°	2.6	3.0	1.7	2.8	2.4
87.5°	0.4	0.6	0.4	1.3	0.9



TEST NUMBER: P1305435

CATALOG NUMBER: P3SQASS02R309024DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)