

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: P1308643

Luminaire Tested: P3SQAS02R309035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308643
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: P3SQAS02R309035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

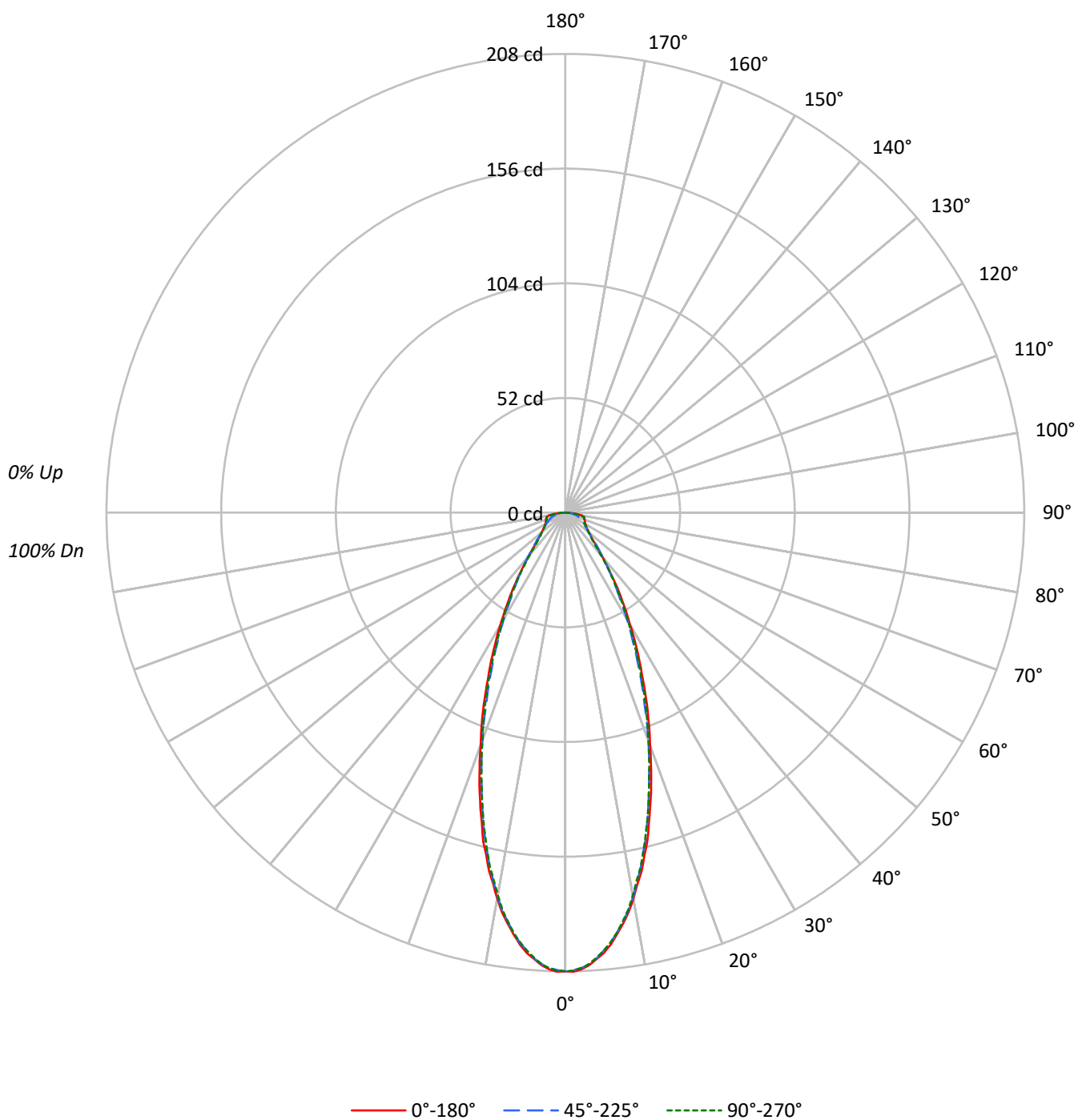
Lumens per Lamp: N/A
Luminaire Lumens: 164.0 lumens
Efficiency: N/A
Efficacy: 45.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	35822	35822	35822
5°	34645	34472	34472
10°	31094	30919	30796
15°	26067	25657	25621
20°	20582	20160	20160
25°	15753	15126	15411
30°	11693	11097	11335
35°	8452	8073	8136
40°	5823	5935	5643
45°	4335	4530	4165
50°	3778	3697	3697
55°	3543	3393	3483
60°	3617	3376	3548
65°	3994	3382	3871
70°	4683	3424	4532
75°	5989	3660	5856
80°	7438	3967	6943
85°	5928	3952	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 7438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.3	11.2
10°-20°	39.9	24.3
20°-30°	37.2	22.7
30°-40°	24.7	15.0
40°-50°	14.4	8.8
50°-60°	10.5	6.4
60°-70°	8.8	5.4
70°-80°	7.3	4.5
80°-90°	3.0	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°	95.4	58.1
0°-40°	120.0	73.2
0°-60°	144.8	88.3
0°-90°	164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	208	208	208	208	208	
5°	200	200	199	199	199	18
15°	146	145	144	144	144	40
25°	83	81	80	80	81	38
35°	40	39	38	39	39	25
45°	18	18	19	18	17	14
55°	12	12	11	12	12	11
65°	10	9	8	9	10	10
75°	9	7	6	7	9	9
85°	3	4	2	3	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	208.0	208.0	208.0	208.0	208.0
1°	208.2	208.0	207.5	207.7	207.7
2°	207.2	207.0	206.7	206.7	206.7
3°	205.5	205.2	205.0	205.0	205.0
4°	202.9	202.7	202.7	202.4	202.4
5°	200.4	200.2	199.4	199.4	199.4
6°	196.9	196.7	196.2	195.9	195.9
7°	192.6	192.6	191.9	191.6	191.9
8°	188.1	187.9	187.4	187.1	187.1
9°	183.4	182.6	182.6	181.8	182.3
10°	177.8	177.3	176.8	176.3	176.1
11°	171.5	171.3	170.5	170.0	169.8
12°	166.3	165.0	164.5	163.8	164.3
13°	159.5	158.7	157.5	157.2	157.5
14°	153.7	152.2	151.2	150.7	150.5
15°	146.2	144.7	143.9	143.7	143.7
17.5°	129.4	128.3	126.3	126.3	126.3
20°	112.3	111.3	110.0	109.8	110.0
22.5°	97.5	95.7	93.7	93.9	95.4
25°	82.9	81.4	79.6	79.9	81.1
27.5°	70.6	68.6	66.8	67.3	68.1
30°	58.8	57.5	55.8	56.3	57.0
32.5°	48.7	48.0	46.0	46.5	47.2
35°	40.2	39.4	38.4	38.7	38.7
37.5°	32.1	32.1	31.9	31.6	31.4
40°	25.9	26.4	26.4	25.6	25.1
42.5°	21.1	21.6	22.1	21.1	20.3
45°	17.8	18.1	18.6	17.6	17.1
47.5°	15.6	15.6	16.1	15.3	15.1
50°	14.1	14.1	13.8	13.6	13.8
52.5°	12.8	12.6	12.3	12.6	12.6
55°	11.8	11.6	11.3	11.6	11.6
57.5°	11.1	10.8	10.5	10.5	10.8
60°	10.5	10.0	9.8	10.0	10.3
62.5°	10.0	9.3	9.0	9.3	9.8
65°	9.8	8.8	8.3	8.8	9.5
67.5°	9.5	8.3	7.5	8.3	9.3
70°	9.3	7.8	6.8	7.8	9.0
72.5°	9.0	7.3	6.3	7.3	9.0
75°	9.0	6.8	5.5	6.8	8.8
77.5°	8.5	6.3	4.8	6.3	8.3
80°	7.5	5.8	4.0	5.5	7.0
82.5°	5.5	5.0	3.0	4.8	5.3
85°	3.0	3.5	2.0	3.3	2.8
87.5°	0.5	0.8	0.5	1.5	1.0



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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)