

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: P1312911

Luminaire Tested: P3SQAS02R259730DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312911
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R259730DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

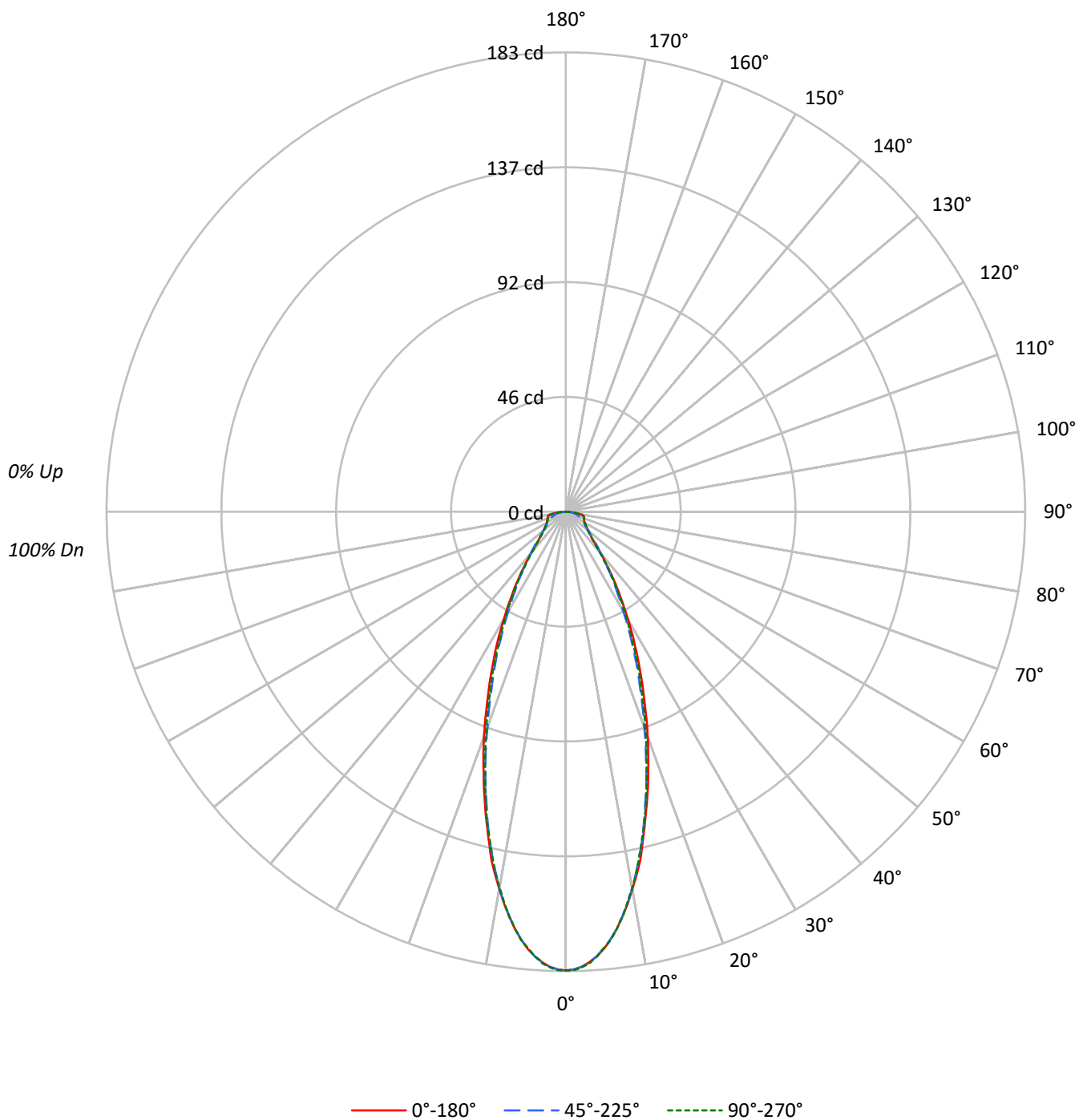
Lumens per Lamp: N/A
Luminaire Lumens: 138.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		63
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	31465	31465	31465
5°	30202	30150	30150
10°	26687	26652	26582
15°	22038	21735	21842
20°	17466	16751	17026
25°	13302	12599	12922
30°	9804	9108	9506
35°	7022	6686	6791
40°	4811	4901	4654
45°	3556	3775	3507
50°	3108	3108	3028
55°	2943	2822	2943
60°	2997	2790	2997
65°	3301	2853	3301
70°	3928	2870	3827
75°	4924	3061	4924
80°	6248	3273	5852
85°	5138	2964	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6248 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.9	11.6
10°-20°	33.9	24.6
20°-30°	31.0	22.5
30°-40°	20.5	14.8
40°-50°	11.9	8.6
50°-60°	8.7	6.3
60°-70°	7.4	5.4
70°-80°	6.1	4.4
80°-90°	2.5	1.8
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°	80.9	58.6
0°-40°	101.3	73.5
0°-60°	122.0	88.4
0°-90°	138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	183	183	183	183	183	
5°	175	174	174	175	174	16
15°	124	123	122	122	122	34
25°	70	68	66	66	68	32
35°	33	33	32	32	32	21
45°	15	15	16	15	14	12
55°	10	10	9	10	10	9
65°	8	7	7	7	8	8
75°	7	6	5	6	7	8
85°	3	3	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°	182.7	182.7	182.7	182.7	182.7
1°	182.3	182.3	182.3	182.3	182.7
2°	181.4	181.2	181.4	181.4	181.6
3°	179.7	179.7	179.7	179.7	180.1
4°	177.5	177.5	177.5	177.5	177.5
5°	174.7	174.4	174.4	174.7	174.4
6°	171.2	171.2	171.2	171.2	171.4
7°	167.2	167.0	167.0	166.8	167.2
8°	162.7	162.7	162.4	162.2	162.7
9°	157.9	158.1	157.6	157.4	157.4
10°	152.6	152.4	152.4	152.4	152.0
11°	147.4	146.7	146.5	146.5	147.0
12°	142.2	141.1	140.6	140.6	140.6
13°	135.8	135.4	134.8	134.3	134.5
14°	129.5	129.5	128.4	128.4	128.9
15°	123.6	123.2	121.9	122.3	122.5
17.5°	109.0	108.2	106.6	106.6	106.8
20°	95.3	93.8	91.4	92.5	92.9
22.5°	81.8	80.2	77.8	78.9	79.4
25°	70.0	68.0	66.3	66.5	68.0
27.5°	59.3	57.1	55.4	56.0	56.9
30°	49.3	48.0	45.8	46.9	47.8
32.5°	40.8	39.7	38.2	38.8	39.7
35°	33.4	32.7	31.8	31.8	32.3
37.5°	27.0	26.8	26.4	26.2	25.9
40°	21.4	21.8	21.8	21.4	20.7
42.5°	17.4	17.9	18.3	17.4	16.8
45°	14.6	15.0	15.5	14.6	14.4
47.5°	12.9	13.1	13.3	12.9	12.6
50°	11.6	11.6	11.6	11.3	11.3
52.5°	10.7	10.5	10.2	10.5	10.5
55°	9.8	9.8	9.4	9.6	9.8
57.5°	9.2	8.9	8.7	8.9	9.2
60°	8.7	8.3	8.1	8.3	8.7
62.5°	8.3	7.8	7.4	7.8	8.3
65°	8.1	7.4	7.0	7.4	8.1
67.5°	7.8	7.0	6.3	7.0	7.8
70°	7.8	6.5	5.7	6.5	7.6
72.5°	7.6	6.1	5.2	6.1	7.6
75°	7.4	5.7	4.6	5.7	7.4
77.5°	7.2	5.2	3.9	5.2	7.0
80°	6.3	4.8	3.3	4.8	5.9
82.5°	4.6	3.9	2.6	3.9	4.4
85°	2.6	2.8	1.5	2.8	2.6
87.5°	0.4	0.7	0.4	1.1	0.9



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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)