

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: P1313974

Luminaire Tested: P3SQAS02R709735DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313974
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709735DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

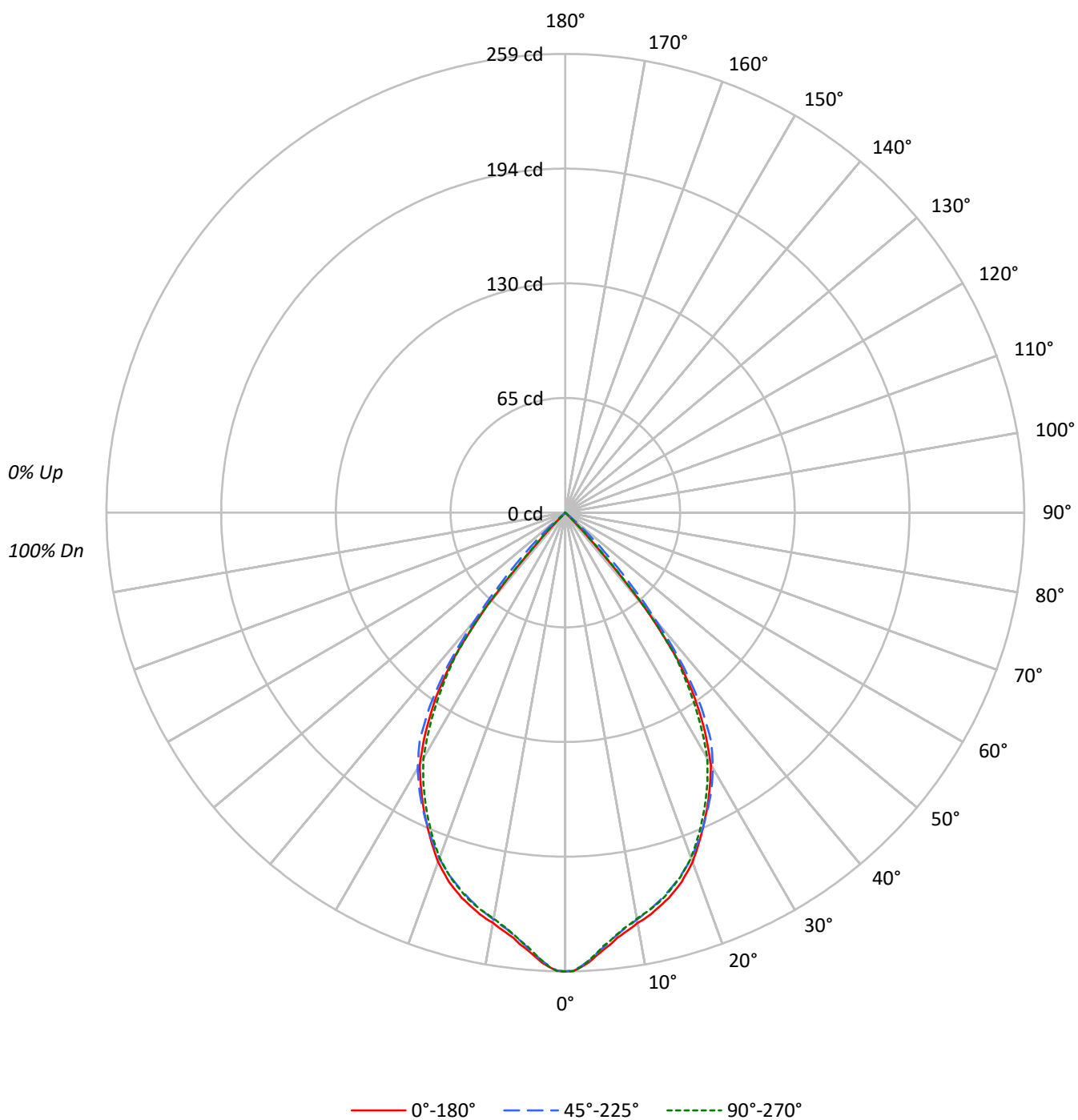
Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	44606	44606	44606
5°	42823	42598	42477
10°	41132	40782	40712
15°	40171	39600	39689
20°	38470	38085	38011
25°	35706	35782	35231
30°	32674	33131	31858
35°	26722	28026	25692
40°	15378	17941	15805
45°	219	7453	779
50°	0	777	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 7453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.1	8.6
10°-20°	62.6	23.4
20°-30°	86.0	32.1
30°-40°	78.0	29.1
40°-50°	18.1	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	171.8	64.1
0°-40°	249.8	93.2
0°-60°	268.0	100.0
0°-90°	268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	259	259	259	259	259	
5°	248	247	246	246	246	23
15°	225	224	222	222	223	63
25°	188	189	188	186	185	86
35°	127	129	133	128	122	76
45°	1	10	31	13	3	11
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	259.0	259.0	259.0	259.0	259.0
1°	258.8	258.4	258.6	258.8	259.0
2°	256.8	256.3	256.3	256.6	256.6
3°	254.3	253.4	253.4	253.2	253.2
4°	250.9	250.2	249.8	249.5	249.5
5°	247.7	247.0	246.4	245.9	245.7
6°	245.0	243.9	243.0	242.7	243.0
7°	241.8	241.1	240.2	239.6	239.8
8°	239.6	238.6	237.5	237.1	237.1
9°	237.5	236.6	235.5	234.6	235.0
10°	235.2	234.3	233.2	232.5	232.8
11°	233.7	232.5	231.2	230.7	230.9
12°	231.8	230.5	229.1	228.9	229.4
13°	229.6	228.2	226.9	226.9	227.3
14°	227.5	226.0	224.6	224.6	225.3
15°	225.3	223.7	222.1	222.1	222.6
17.5°	218.5	217.1	215.5	215.5	215.8
20°	209.9	209.2	207.8	207.1	207.4
22.5°	199.0	199.0	198.3	197.2	196.7
25°	187.9	188.8	188.3	186.5	185.4
27.5°	176.3	177.9	178.1	175.4	173.4
30°	164.3	165.7	166.6	163.4	160.2
32.5°	146.6	150.7	153.0	148.7	142.1
35°	127.1	129.0	133.3	127.6	122.2
37.5°	103.3	105.6	109.2	104.7	101.5
40°	68.4	77.5	79.8	77.5	70.3
42.5°	24.7	43.5	52.4	44.4	29.0
45°	0.9	10.2	30.6	13.1	3.2
47.5°	0.0	0.2	13.8	0.5	0.0
50°	0.0	0.0	2.9	0.0	0.0
52.5°	0.0	0.0	0.2	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)