

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: P1313975

Luminaire Tested: P3SQAS02R709735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313975
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

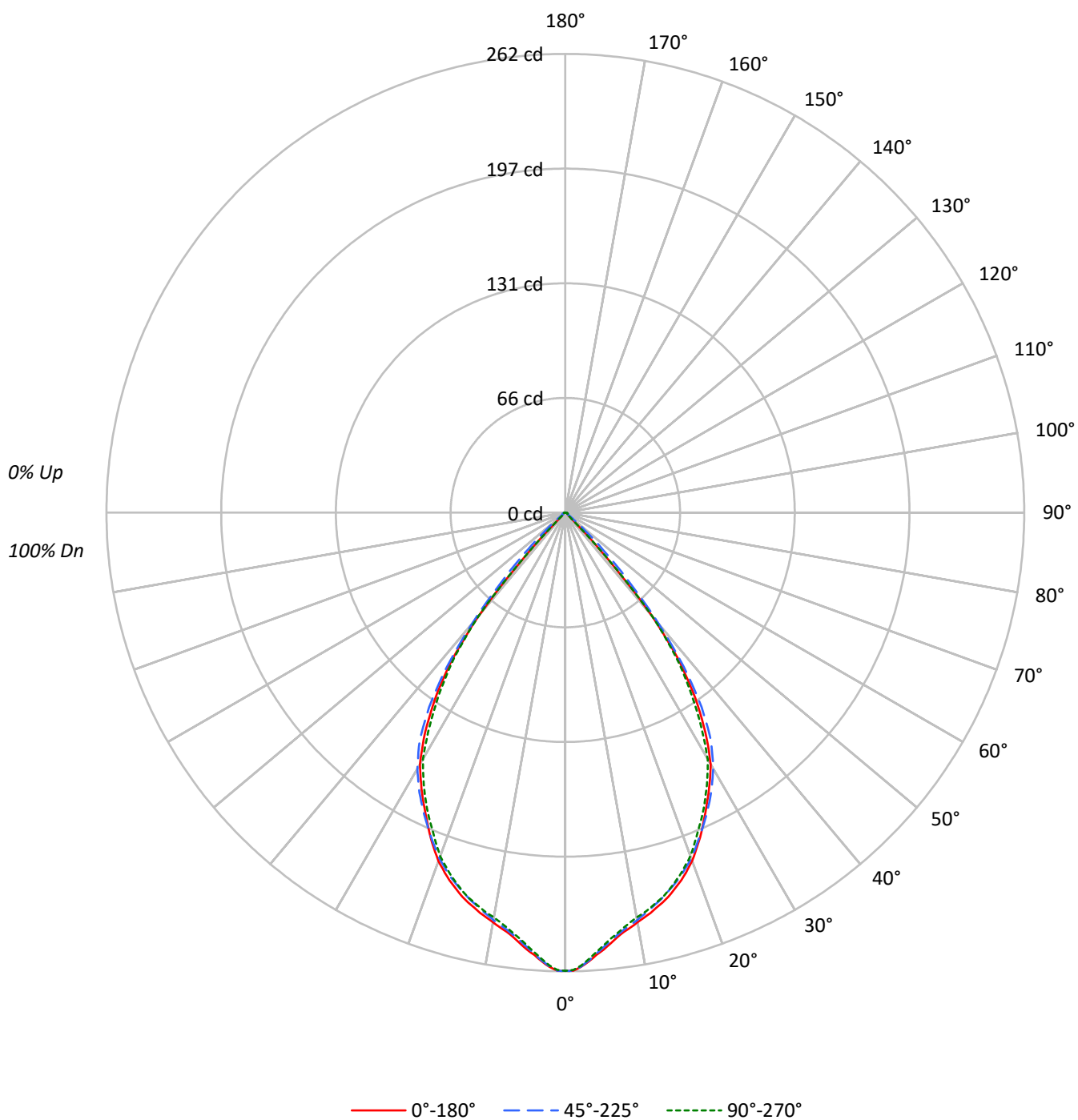
Lumens per Lamp: N/A
Luminaire Lumens: 279.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	45071	45071	45071
5°	43324	43082	42926
10°	41551	41324	41044
15°	40509	40064	40028
20°	38818	38525	38268
25°	35934	36200	35497
30°	33012	33588	32336
35°	27227	28509	26176
40°	17334	18660	17334
45°	1218	8062	1315
50°	536	1634	536
55°	601	601	601
60°	620	620	620
65°	571	652	571
70°	554	705	554
75°	599	599	599
80°	694	694	694
85°	395	988	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8062 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	8.4
10°-20°	63.2	22.7
20°-30°	86.9	31.1
30°-40°	79.6	28.5
40°-50°	21.1	7.6
50°-60°	1.9	0.7
60°-70°	1.6	0.6
70°-80°	1.0	0.4
80°-90°	0.4	0.1
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°	173.5	62.2
0°-40°	253.0	90.7
0°-60°	276.0	98.9
0°-90°	279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	262	262	262	262	262	
5°	251	249	249	249	248	23
15°	227	225	225	225	224	64
25°	189	190	190	188	187	87
35°	130	132	136	130	124	79
45°	5	17	33	17	5	15
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
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°	261.7	261.7	261.7	261.7	261.7
1°	261.7	261.2	261.7	261.7	261.2
2°	259.6	259.2	259.4	259.2	258.9
3°	256.7	256.0	256.2	255.8	255.3
4°	253.3	252.6	252.6	252.4	251.9
5°	250.6	249.4	249.2	248.7	248.3
6°	247.4	246.2	246.0	245.3	244.9
7°	244.2	243.3	243.1	242.2	242.2
8°	241.7	240.6	240.6	239.4	239.4
9°	239.7	238.3	238.3	237.4	236.9
10°	237.6	236.3	236.3	235.1	234.7
11°	235.6	234.5	234.0	233.3	233.1
12°	233.8	232.2	231.7	231.5	231.1
13°	231.5	229.9	229.5	229.2	229.0
14°	229.5	227.4	227.2	226.7	227.0
15°	227.2	225.2	224.7	224.7	224.5
17.5°	220.2	218.8	218.1	217.7	217.2
20°	211.8	210.6	210.2	209.3	208.8
22.5°	200.9	200.7	200.4	199.3	197.5
25°	189.1	189.8	190.5	188.2	186.8
27.5°	177.8	179.6	180.3	178.0	175.0
30°	166.0	167.6	168.9	165.7	162.6
32.5°	149.0	152.8	154.9	151.2	144.0
35°	129.5	131.5	135.6	129.5	124.5
37.5°	106.8	107.9	111.1	107.0	103.6
40°	77.1	80.5	83.0	80.5	77.1
42.5°	34.7	48.5	54.9	51.2	36.3
45°	5.0	17.0	33.1	17.2	5.4
47.5°	2.0	2.7	17.2	2.5	2.0
50°	2.0	2.0	6.1	2.0	2.0
52.5°	2.0	2.0	2.3	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	1.8	1.8	2.0	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.6	1.8	1.8	1.8	1.6
65°	1.4	1.6	1.6	1.6	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.1	1.4	1.4	1.4	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.7	0.9	0.9	0.9	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.5	0.5	0.5	0.2
87.5°	0.2	0.2	0.2	0.2	0.2



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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)