

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: P1307600

Luminaire Tested: P3SQAS02R709030DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307600
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: P3SQAS02R709030DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

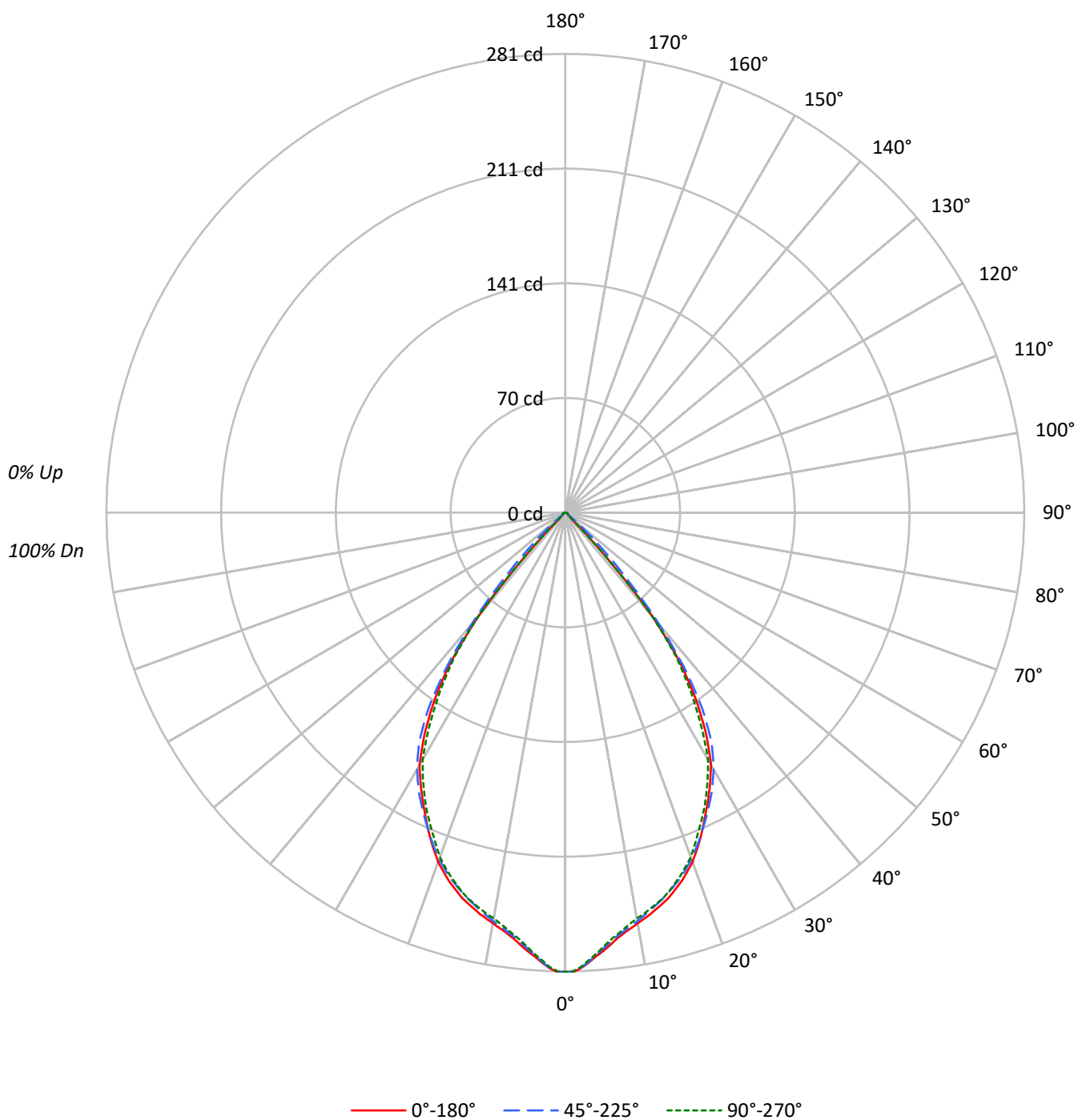
Lumens per Lamp: N/A
Luminaire Lumens: 300.0 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	75	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	71	62	56	52	61	56	52		60	55	51		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°	48463	48463	48463
5°	46574	46315	46159
10°	44682	44437	44122
15°	43558	43077	43041
20°	41732	41420	41145
25°	38632	38917	38176
30°	35498	36114	34762
35°	29266	30654	28152
40°	18638	20054	18638
45°	1315	8671	1437
50°	589	1768	589
55°	661	661	661
60°	689	689	689
65°	611	693	611
70°	604	755	604
75°	665	665	665
80°	694	694	694
85°	395	988	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8671 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	8.4
10°-20°	68.0	22.7
20°-30°	93.4	31.1
30°-40°	85.6	28.5
40°-50°	22.7	7.6
50°-60°	2.0	0.7
60°-70°	1.7	0.6
70°-80°	1.1	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°	186.5	62.2
0°-40°	272.1	90.7
0°-60°	296.8	98.9
0°-90°	300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	281	281	281	281	281	
5°	269	268	268	268	267	25
15°	244	242	242	242	241	69
25°	203	204	205	202	201	93
35°	139	141	146	139	134	84
45°	5	18	36	18	6	16
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
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°	281.4	281.4	281.4	281.4	281.4
1°	281.4	280.9	281.4	281.4	280.9
2°	279.2	278.7	278.9	278.7	278.4
3°	276.0	275.3	275.5	275.0	274.5
4°	272.3	271.6	271.6	271.4	270.9
5°	269.4	268.2	267.9	267.5	267.0
6°	266.0	264.8	264.5	263.8	263.3
7°	262.6	261.6	261.4	260.4	260.4
8°	259.9	258.7	258.7	257.5	257.5
9°	257.7	256.2	256.2	255.3	254.8
10°	255.5	254.1	254.1	252.8	252.3
11°	253.3	252.1	251.6	250.9	250.6
12°	251.4	249.7	249.2	248.9	248.4
13°	248.9	247.2	246.7	246.5	246.2
14°	246.7	244.5	244.3	243.8	244.1
15°	244.3	242.1	241.6	241.6	241.4
17.5°	236.7	235.3	234.5	234.1	233.6
20°	227.7	226.5	226.0	225.0	224.5
22.5°	216.0	215.8	215.5	214.3	212.4
25°	203.3	204.1	204.8	202.4	200.9
27.5°	191.1	193.1	193.8	191.4	188.2
30°	178.5	180.2	181.6	178.2	174.8
32.5°	160.2	164.3	166.5	162.6	154.8
35°	139.2	141.4	145.8	139.2	133.9
37.5°	114.8	116.1	119.5	115.1	111.4
40°	82.9	86.6	89.2	86.6	82.9
42.5°	37.3	52.2	59.0	55.1	39.0
45°	5.4	18.3	35.6	18.5	5.9
47.5°	2.2	2.9	18.5	2.7	2.2
50°	2.2	2.2	6.6	2.2	2.2
52.5°	2.2	2.2	2.4	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.0	2.0	2.2	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.7	2.0	2.0	2.0	1.7
65°	1.5	1.7	1.7	1.7	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.2	1.5	1.5	1.5	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.0	1.0	1.0	1.0	1.0
77.5°	0.7	1.0	1.0	1.0	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)