

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: P1306482

Luminaire Tested: P3SQAS02R709027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306482
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: P3SQAS02R709027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

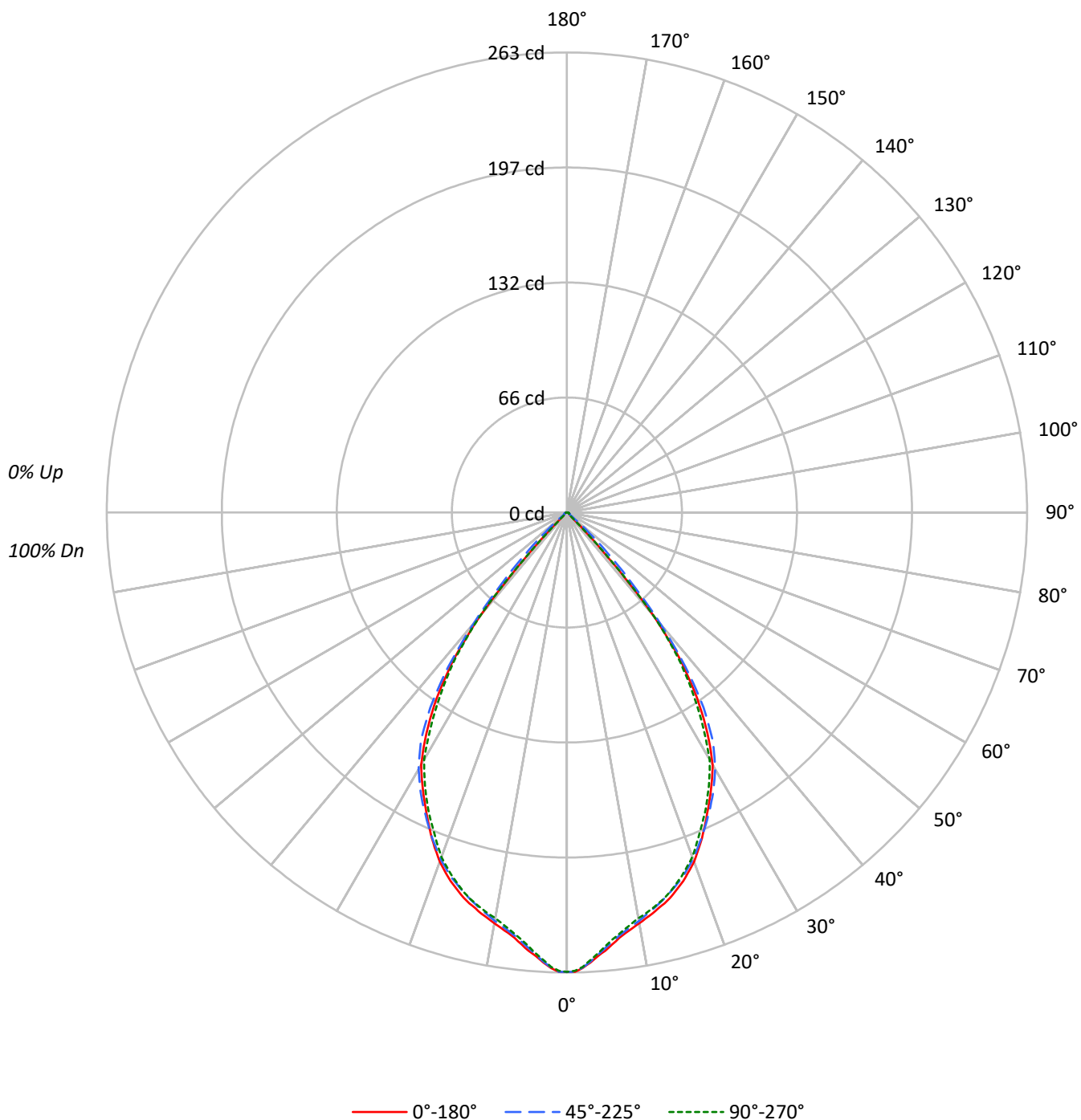
Lumens per Lamp: N/A
Luminaire Lumens: 280.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	45226	45226	45226
5°	43479	43237	43082
10°	41709	41464	41184
15°	40652	40206	40171
20°	38946	38653	38415
25°	36067	36314	35630
30°	33131	33708	32455
35°	27311	28614	26260
40°	17401	18728	17401
45°	1218	8086	1340
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: 8086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.4	8.4
10°-20°	63.4	22.7
20°-30°	87.2	31.1
30°-40°	79.9	28.5
40°-50°	21.2	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°	174.1	62.2
0°-40°	254.0	90.7
0°-60°	277.0	98.9
0°-90°	280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	263	263	263	263	263	
5°	252	250	250	250	249	24
15°	228	226	226	226	225	64
25°	190	190	191	189	188	87
35°	130	132	136	130	125	79
45°	5	17	33	17	6	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°	262.6	262.6	262.6	262.6	262.6
1°	262.6	262.1	262.6	262.6	262.1
2°	260.6	260.1	260.3	260.1	259.9
3°	257.6	256.9	257.1	256.7	256.2
4°	254.2	253.5	253.5	253.3	252.8
5°	251.5	250.3	250.1	249.6	249.2
6°	248.3	247.1	246.9	246.2	245.8
7°	245.1	244.2	243.9	243.0	243.0
8°	242.6	241.4	241.4	240.3	240.3
9°	240.5	239.2	239.2	238.3	237.8
10°	238.5	237.1	237.1	236.0	235.5
11°	236.4	235.3	234.8	234.2	233.9
12°	234.6	233.0	232.6	232.3	231.9
13°	232.3	230.7	230.3	230.1	229.8
14°	230.3	228.2	228.0	227.6	227.8
15°	228.0	226.0	225.5	225.5	225.3
17.5°	221.0	219.6	218.9	218.5	218.0
20°	212.5	211.4	210.9	210.0	209.6
22.5°	201.6	201.4	201.2	200.0	198.2
25°	189.8	190.5	191.1	188.9	187.5
27.5°	178.4	180.2	180.9	178.6	175.7
30°	166.6	168.2	169.5	166.3	163.2
32.5°	149.5	153.4	155.4	151.8	144.5
35°	129.9	132.0	136.1	129.9	124.9
37.5°	107.2	108.3	111.5	107.4	104.0
40°	77.4	80.8	83.3	80.8	77.4
42.5°	34.8	48.7	55.1	51.4	36.4
45°	5.0	17.1	33.2	17.3	5.5
47.5°	2.0	2.7	17.3	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)