

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: P1316071

Luminaire Tested: P3SQAS09R209827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316071
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

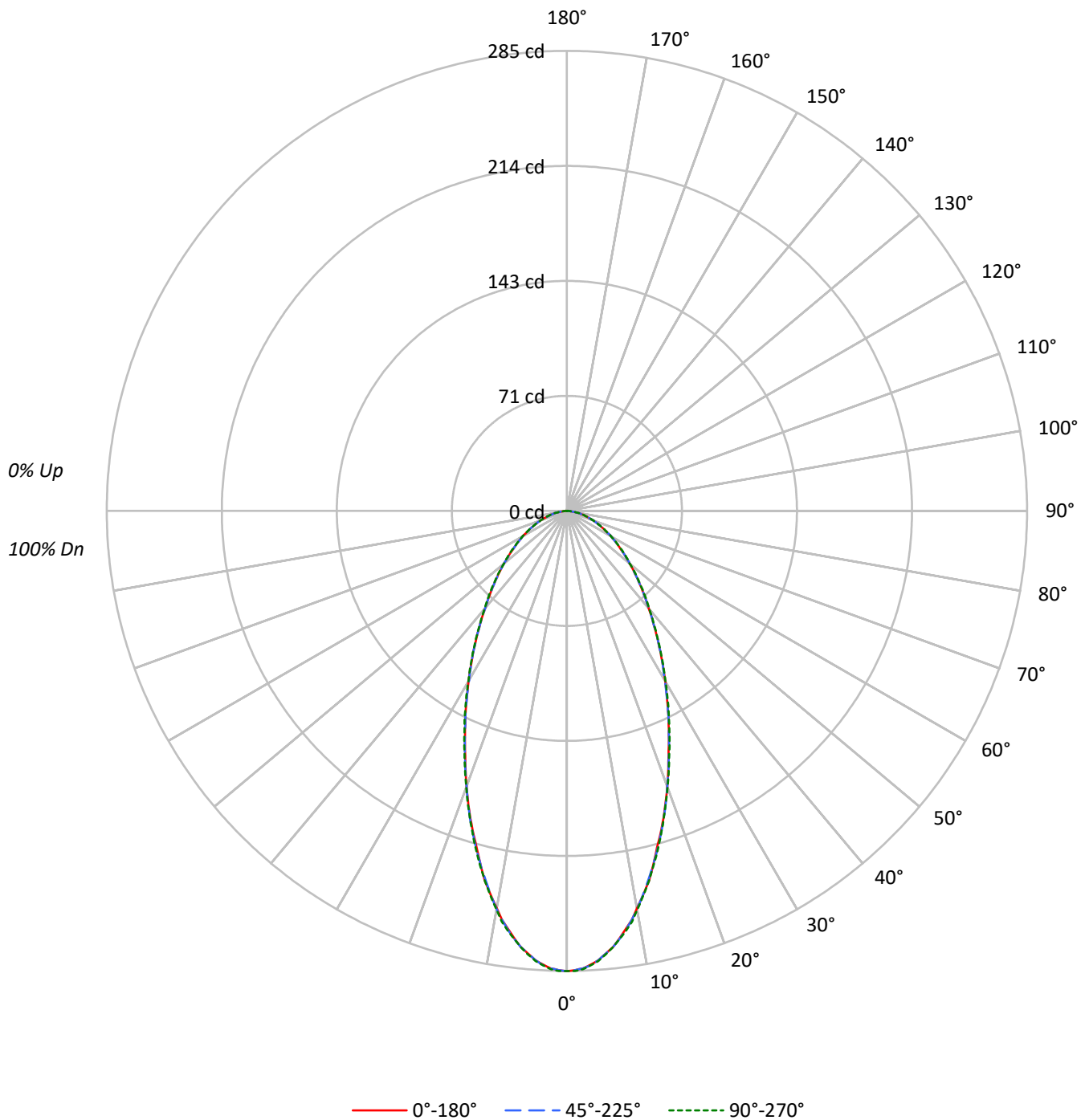
Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 31.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49101	49101	49101
5°	47611	47611	47698
10°	43720	43807	43895
15°	38495	38673	38762
20°	33301	33301	33411
25°	28352	28352	28542
30°	24202	24103	24301
35°	20667	20667	20772
40°	17738	17738	17851
45°	15490	15490	15612
50°	13638	13638	13638
55°	12070	12070	12221
60°	10884	10884	10884
65°	9740	9740	9740
70°	8711	8711	8711
75°	7785	7453	7785
80°	6546	6546	6546
85°	3952	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15612 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.5	7.5
10°-20°	60.4	17.7
20°-30°	68.7	20.2
30°-40°	61.7	18.1
40°-50°	49.4	14.5
50°-60°	36.3	10.7
60°-70°	23.8	7.0
70°-80°	12.3	3.6
80°-90°	2.8	0.8
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°	154.6	45.3
0°-40°	216.3	63.4
0°-60°	302.1	88.6
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	285	285	285	285	285	
5°	275	275	275	275	276	25
15°	216	216	217	217	217	60
25°	149	149	149	150	150	69
35°	98	98	98	98	99	62
45°	64	64	64	64	64	49
55°	40	40	40	40	41	36
65°	24	23	24	24	24	24
75°	12	11	11	12	12	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	285.1	285.1	285.1	285.1	285.1
1°	284.6	284.1	284.6	284.6	285.1
2°	283.6	283.6	283.6	283.1	284.1
3°	281.5	281.5	282.0	281.5	282.0
4°	279.0	279.0	279.0	278.5	279.5
5°	275.4	275.4	275.4	275.4	275.9
6°	271.9	271.3	271.9	271.3	271.9
7°	266.8	266.8	267.3	266.8	267.3
8°	261.7	261.2	262.2	261.7	262.7
9°	256.6	256.1	256.6	256.1	257.6
10°	250.0	250.5	250.5	250.5	251.0
12.5°	234.7	233.7	233.7	233.7	234.7
15°	215.9	215.9	216.9	216.9	217.4
17.5°	199.1	198.5	199.6	199.6	199.6
20°	181.7	181.2	181.7	181.7	182.3
22.5°	164.4	164.9	164.9	164.9	165.5
25°	149.2	149.2	149.2	149.7	150.2
27.5°	134.9	134.4	134.9	135.4	135.9
30°	121.7	121.2	121.2	121.7	122.2
32.5°	109.5	108.9	109.5	109.5	110.0
35°	98.3	98.3	98.3	98.3	98.8
37.5°	88.1	88.1	88.1	88.6	88.6
40°	78.9	78.9	78.9	79.4	79.4
42.5°	70.8	70.8	70.8	71.3	71.8
45°	63.6	63.6	63.6	63.6	64.1
47.5°	57.0	57.0	57.0	57.5	57.5
50°	50.9	50.4	50.9	51.4	50.9
52.5°	45.3	45.3	45.3	45.3	45.8
55°	40.2	40.2	40.2	40.2	40.7
57.5°	35.6	35.6	35.6	36.1	36.1
60°	31.6	31.6	31.6	31.6	31.6
62.5°	27.5	27.5	27.5	27.5	27.5
65°	23.9	23.4	23.9	23.9	23.9
67.5°	20.4	20.4	20.4	20.4	20.4
70°	17.3	17.3	17.3	17.3	17.3
72.5°	14.3	14.3	14.3	14.3	14.3
75°	11.7	11.2	11.2	11.7	11.7
77.5°	9.2	8.7	9.2	9.2	9.2
80°	6.6	6.6	6.6	6.6	6.6
82.5°	4.1	4.1	4.1	4.6	4.6
85°	2.0	2.0	2.0	2.5	2.5
87.5°	0.5	0.5	0.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)