

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: P1312297

Luminaire Tested: P3SQAS09R359727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R359727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

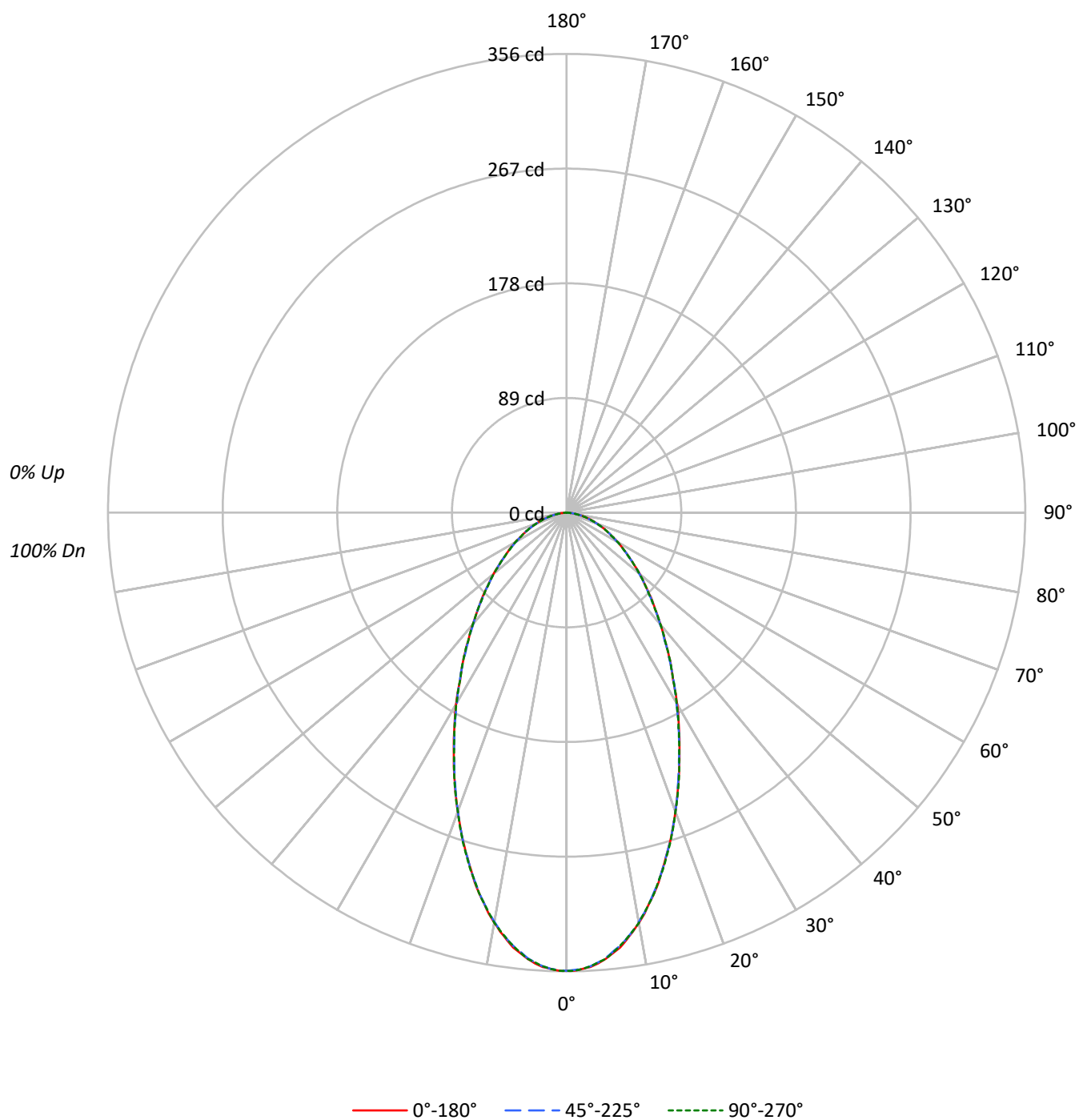
Lumens per Lamp: N/A
Luminaire Lumens: 475.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	61242	61242	61242
5°	60093	59990	60093
10°	56504	56399	56504
15°	51154	51154	51261
20°	45269	45269	45269
25°	39374	39260	39260
30°	34125	33887	34006
35°	29392	29266	29392
40°	25495	25360	25495
45°	22407	22237	22237
50°	19880	19720	19720
55°	17475	17475	17475
60°	15844	15638	15844
65°	14222	14222	14222
70°	12639	12639	12639
75°	11445	11046	11445
80°	9720	9720	9720
85°	6126	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22407 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	6.8
10°-20°	80.0	16.8
20°-30°	95.1	20.0
30°-40°	87.4	18.4
40°-50°	70.9	14.9
50°-60°	52.5	11.1
60°-70°	34.7	7.3
70°-80°	18.0	3.8
80°-90°	4.0	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°	207.5	43.7
0°-40°	294.9	62.1
0°-60°	418.3	88.1
0°-90°	475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	356	356	356	356	356	
5°	348	347	347	347	348	32
15°	287	287	287	287	288	80
25°	207	207	207	207	207	95
35°	140	139	139	140	140	88
45°	92	91	91	91	91	71
55°	58	58	58	58	58	53
65°	35	35	35	35	35	35
75°	17	17	17	17	17	18
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	355.6	355.6	355.6	355.6	355.6
1°	355.6	354.9	354.9	354.9	355.6
2°	354.3	354.3	354.3	354.3	354.3
3°	353.1	352.5	352.5	352.5	352.5
4°	350.7	350.0	350.0	350.0	350.0
5°	347.6	347.0	347.0	347.0	347.6
6°	343.9	343.3	342.7	342.7	343.3
7°	340.2	339.0	339.0	339.0	339.0
8°	334.7	334.1	334.1	334.1	334.1
9°	329.2	328.0	328.6	328.6	328.6
10°	323.1	322.5	322.5	322.5	323.1
11°	316.9	316.3	316.3	315.7	316.3
12°	309.6	309.6	309.6	309.6	309.6
13°	302.8	302.2	302.2	302.2	302.8
14°	295.5	294.9	294.9	294.9	294.9
15°	286.9	286.9	286.9	286.9	287.5
17.5°	267.3	266.7	267.3	267.3	267.9
20°	247.0	246.4	247.0	247.0	247.0
22.5°	226.8	226.8	226.2	226.8	227.4
25°	207.2	206.6	206.6	207.2	206.6
27.5°	188.8	188.2	188.2	188.2	188.2
30°	171.6	170.4	170.4	171.0	171.0
32.5°	153.9	153.9	154.5	153.9	153.9
35°	139.8	139.2	139.2	139.8	139.8
37.5°	125.7	125.1	125.1	125.7	125.7
40°	113.4	113.4	112.8	113.4	113.4
42.5°	101.8	101.8	101.8	101.8	101.8
45°	92.0	91.3	91.3	91.3	91.3
47.5°	82.1	82.1	82.1	81.5	82.1
50°	74.2	73.6	73.6	73.6	73.6
52.5°	65.6	65.6	65.6	65.6	65.6
55°	58.2	58.2	58.2	58.2	58.2
57.5°	52.1	51.5	51.5	51.5	51.5
60°	46.0	46.0	45.4	46.0	46.0
62.5°	39.8	39.8	39.8	39.8	39.8
65°	34.9	34.9	34.9	34.9	34.9
67.5°	30.0	30.0	30.0	30.0	30.0
70°	25.1	25.1	25.1	25.1	25.1
72.5°	21.5	20.8	20.8	20.8	20.8
75°	17.2	17.2	16.6	17.2	17.2
77.5°	12.9	12.9	12.9	12.9	12.9
80°	9.8	9.8	9.8	9.2	9.8
82.5°	6.1	6.1	6.1	6.1	6.1
85°	3.1	3.1	3.1	3.1	3.1
87.5°	0.6	0.6	0.6	1.2	1.2



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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)