

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: P1316089

Luminaire Tested: P3SQAS09R259827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316089
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

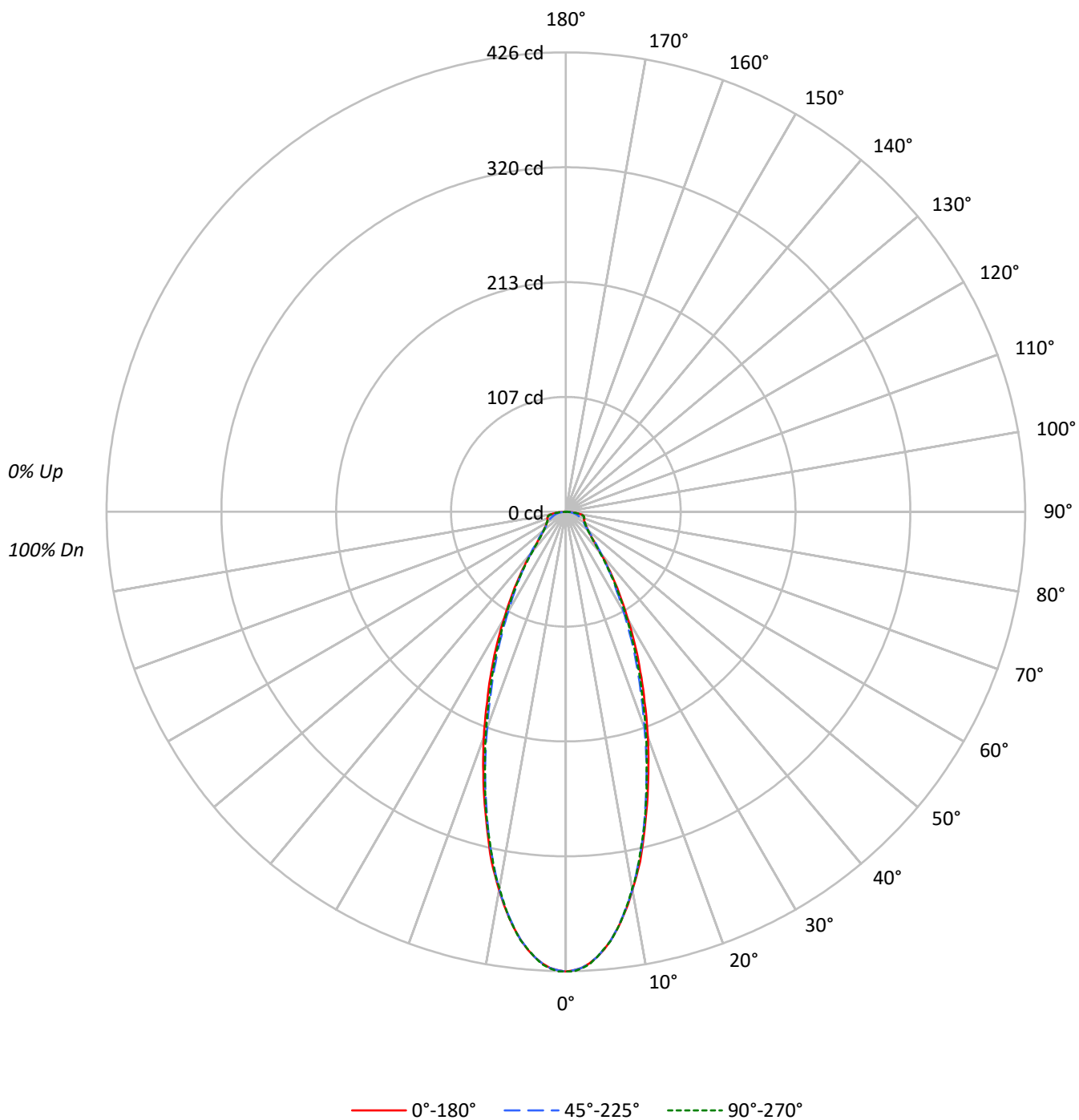
Lumens per Lamp: N/A
Luminaire Lumens: 322.0 lumens
Efficiency: N/A
Efficacy: 29.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	73436	73436	73436
5°	70449	70362	70362
10°	62275	62187	62012
15°	51439	50708	50975
20°	40742	39074	39716
25°	31031	29397	30157
30°	22870	21239	22154
35°	16357	15621	15831
40°	11219	11443	10859
45°	8305	8793	8184
50°	7234	7234	7100
55°	6876	6576	6876
60°	7027	6476	7027
65°	7661	6642	7661
70°	9215	6647	8963
75°	11512	7120	11512
80°	14679	7538	13588
85°	12054	7114	12054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 14679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	11.6
10°-20°	79.1	24.6
20°-30°	72.4	22.5
30°-40°	47.8	14.8
40°-50°	27.8	8.6
50°-60°	20.3	6.3
60°-70°	17.2	5.4
70°-80°	14.3	4.4
80°-90°	5.9	1.8
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°	188.7	58.6
0°-40°	236.5	73.4
0°-60°	284.6	88.4
0°-90°	322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	408	407	407	408	407	37
15°	288	288	284	285	286	80
25°	163	159	155	155	159	75
35°	78	76	74	74	75	49
45°	34	35	36	34	34	27
55°	23	23	22	22	23	21
65°	19	17	16	17	19	19
75°	17	13	11	13	17	18
85°	6	7	4	7	6	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	426.4	426.4	426.4	426.4	426.4
1°	425.3	425.3	425.3	425.3	426.4
2°	423.3	422.8	423.3	423.3	423.8
3°	419.2	419.2	419.2	419.2	420.2
4°	414.1	414.1	414.1	414.1	414.1
5°	407.5	407.0	407.0	407.5	407.0
6°	399.4	399.4	399.4	399.4	399.9
7°	390.2	389.7	389.7	389.2	390.2
8°	379.5	379.5	379.0	378.5	379.5
9°	368.4	368.9	367.8	367.3	367.3
10°	356.1	355.6	355.6	355.6	354.6
11°	343.9	342.4	341.9	341.9	342.9
12°	331.7	329.2	328.2	328.2	328.2
13°	317.0	315.9	314.4	313.4	313.9
14°	302.2	302.2	299.7	299.7	300.7
15°	288.5	287.5	284.4	285.4	285.9
17.5°	254.4	252.4	248.8	248.8	249.3
20°	222.3	218.8	213.2	215.7	216.7
22.5°	190.8	187.2	181.6	184.2	185.2
25°	163.3	158.7	154.7	155.2	158.7
27.5°	138.4	133.3	129.2	130.8	132.8
30°	115.0	111.9	106.8	109.4	111.4
32.5°	95.1	92.6	89.0	90.6	92.6
35°	77.8	76.3	74.3	74.3	75.3
37.5°	63.1	62.6	61.6	61.1	60.5
40°	49.9	50.9	50.9	49.9	48.3
42.5°	40.7	41.7	42.7	40.7	39.2
45°	34.1	35.1	36.1	34.1	33.6
47.5°	30.0	30.5	31.0	30.0	29.5
50°	27.0	27.0	27.0	26.5	26.5
52.5°	24.9	24.4	23.9	24.4	24.4
55°	22.9	22.9	21.9	22.4	22.9
57.5°	21.4	20.9	20.4	20.9	21.4
60°	20.4	19.3	18.8	19.3	20.4
62.5°	19.3	18.3	17.3	18.3	19.3
65°	18.8	17.3	16.3	17.3	18.8
67.5°	18.3	16.3	14.8	16.3	18.3
70°	18.3	15.3	13.2	15.3	17.8
72.5°	17.8	14.2	12.2	14.2	17.8
75°	17.3	13.2	10.7	13.2	17.3
77.5°	16.8	12.2	9.2	12.2	16.3
80°	14.8	11.2	7.6	11.2	13.7
82.5°	10.7	9.2	6.1	9.2	10.2
85°	6.1	6.6	3.6	6.6	6.1
87.5°	1.0	1.5	1.0	2.5	2.0



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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)