

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: P1311128

Luminaire Tested: P3SQAS09R209050DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311128
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: P3SQAS09R209050DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

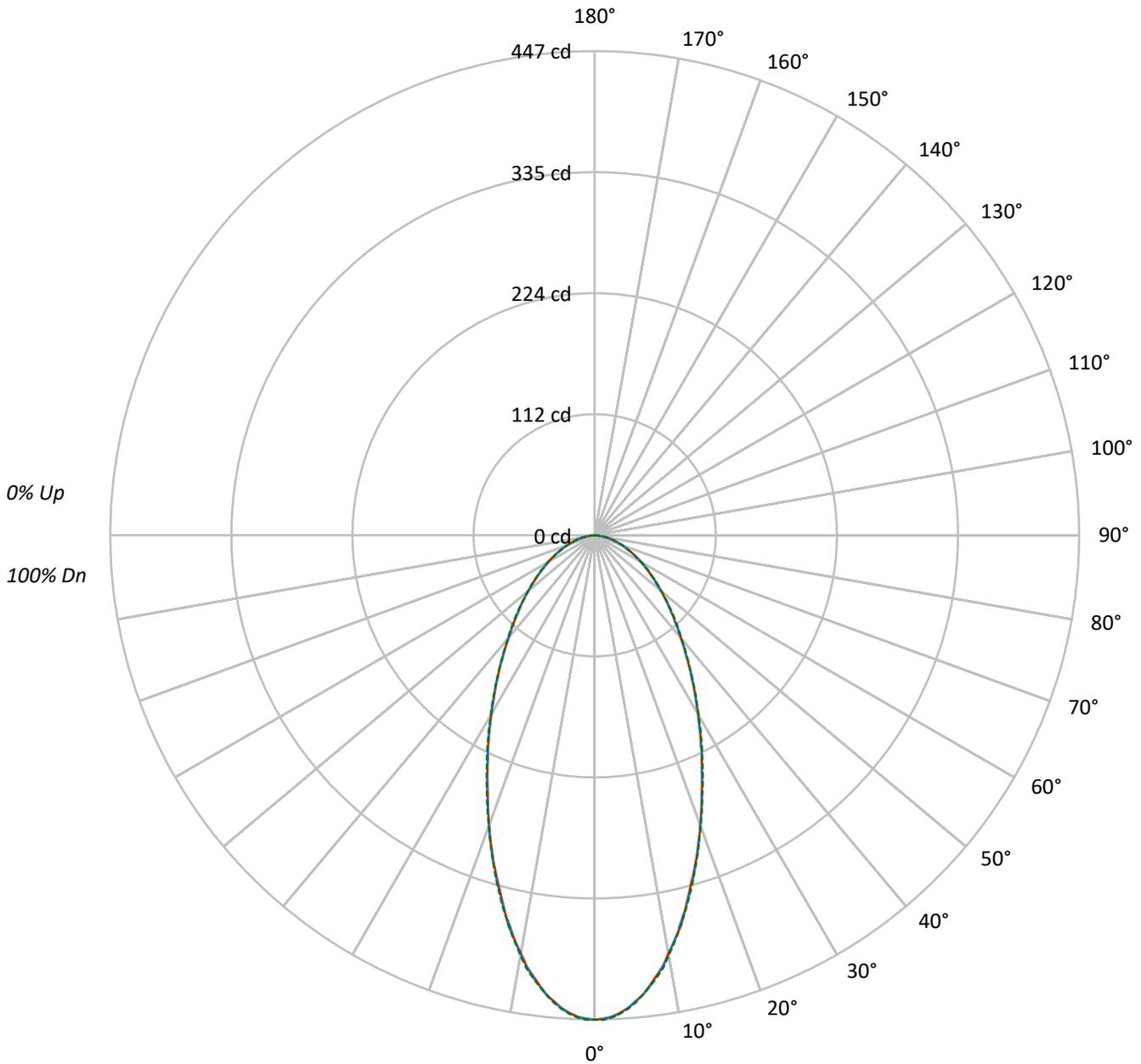
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 535.0 lumens
Efficiency: N/A
Efficacy: 48.2 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): 11.1
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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	79	79	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	70	70	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	63	63	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	52	52	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	47	47	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	40	40	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	37	37	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	77035	77035	77035
5°	74702	74702	74840
10°	68588	68728	68868
15°	60390	60675	60817
20°	52252	52252	52398
25°	44466	44466	44770
30°	37963	37804	38123
35°	32420	32420	32588
40°	27833	27833	28013
45°	24307	24307	24502
50°	21408	21408	21408
55°	18946	18946	19187
60°	17050	17050	17050
65°	15282	15282	15282
70°	13696	13696	13696
75°	12244	11711	12244
80°	10315	10315	10315
85°	6323	6323	7904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 24502 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	7.5
10°-20°	94.7	17.7
20°-30°	107.8	20.2
30°-40°	96.8	18.1
40°-50°	77.6	14.5
50°-60°	57.0	10.7
60°-70°	37.2	7.0
70°-80°	19.3	3.6
80°-90°	4.5	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°	242.5	45.3
0°-40°	339.4	63.4
0°-60°	473.9	88.6
0°-90°	535.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	535.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	447	447	447	447	447	
5°	432	432	432	432	433	40
15°	339	339	340	340	341	95
25°	234	234	234	235	236	108
35°	154	154	154	154	155	97
45°	100	100	100	100	101	77
55°	63	63	63	63	64	57
65°	38	37	38	38	38	37
75°	18	18	18	18	18	20
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	447.3	447.3	447.3	447.3	447.3
1°	446.5	445.7	446.5	446.5	447.3
2°	444.9	444.9	444.9	444.1	445.7
3°	441.7	441.7	442.5	441.7	442.5
4°	437.7	437.7	437.7	436.9	438.5
5°	432.1	432.1	432.1	432.1	432.9
6°	426.5	425.7	426.5	425.7	426.5
7°	418.5	418.5	419.3	418.5	419.3
8°	410.5	409.7	411.3	410.5	412.1
9°	402.6	401.8	402.6	401.8	404.2
10°	392.2	393.0	393.0	393.0	393.8
12.5°	368.2	366.6	366.6	366.6	368.2
15°	338.7	338.7	340.3	340.3	341.1
17.5°	312.3	311.5	313.1	313.1	313.1
20°	285.1	284.3	285.1	285.1	285.9
22.5°	258.0	258.8	258.8	258.8	259.6
25°	234.0	234.0	234.0	234.8	235.6
27.5°	211.7	210.9	211.7	212.5	213.3
30°	190.9	190.1	190.1	190.9	191.7
32.5°	171.7	170.9	171.7	171.7	172.5
35°	154.2	154.2	154.2	154.2	155.0
37.5°	138.2	138.2	138.2	139.0	139.0
40°	123.8	123.8	123.8	124.6	124.6
42.5°	111.0	111.0	111.0	111.8	112.6
45°	99.8	99.8	99.8	99.8	100.6
47.5°	89.5	89.5	89.5	90.3	90.3
50°	79.9	79.1	79.9	80.7	79.9
52.5°	71.1	71.1	71.1	71.1	71.9
55°	63.1	63.1	63.1	63.1	63.9
57.5°	55.9	55.9	55.9	56.7	56.7
60°	49.5	49.5	49.5	49.5	49.5
62.5°	43.1	43.1	43.1	43.1	43.1
65°	37.5	36.7	37.5	37.5	37.5
67.5°	31.9	31.9	31.9	31.9	31.9
70°	27.2	27.2	27.2	27.2	27.2
72.5°	22.4	22.4	22.4	22.4	22.4
75°	18.4	17.6	17.6	18.4	18.4
77.5°	14.4	13.6	14.4	14.4	14.4
80°	10.4	10.4	10.4	10.4	10.4
82.5°	6.4	6.4	6.4	7.2	7.2
85°	3.2	3.2	3.2	4.0	4.0
87.5°	0.8	0.8	0.8	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)