

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: P1309455

Luminaire Tested: P3SQAS20R359035D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309455
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: P3SQAS20R359035D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

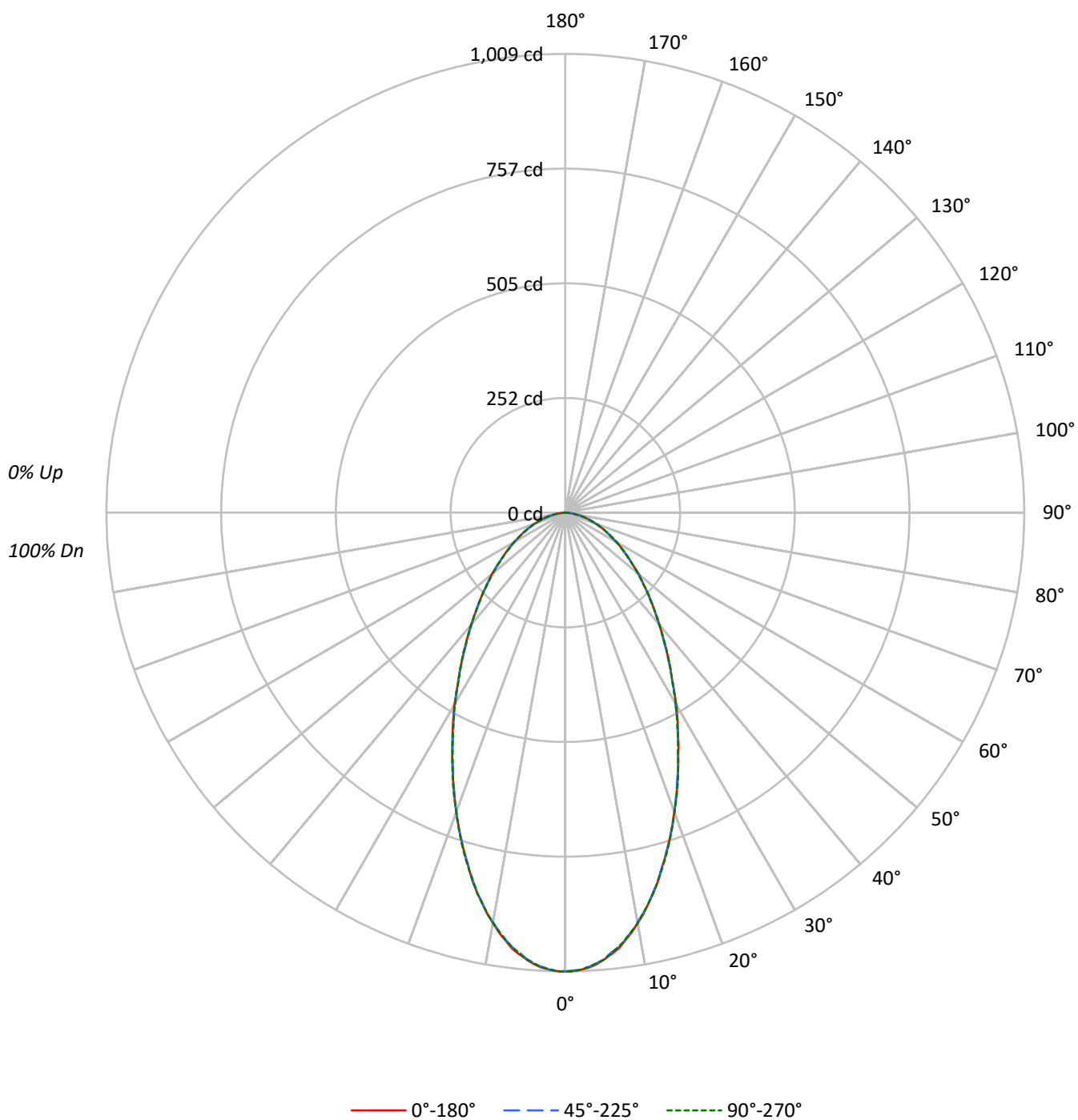
Lumens per Lamp: N/A
Luminaire Lumens: 1348.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	173773	173773	173773
5°	170529	170235	170529
10°	160329	160032	160329
15°	145170	145170	145473
20°	128494	128494	128494
25°	111736	111413	111413
30°	96867	96171	96529
35°	83404	83026	83404
40°	72347	71965	72347
45°	63569	63131	63131
50°	56399	55944	55944
55°	49633	49633	49633
60°	44950	44330	44950
65°	40425	40425	40425
70°	35903	35903	35903
75°	32406	31275	32406
80°	27572	27572	27572
85°	17191	17191	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63569 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.8	6.8
10°-20°	227.1	16.8
20°-30°	269.9	20.0
30°-40°	248.0	18.4
40°-50°	201.3	14.9
50°-60°	149.0	11.1
60°-70°	98.4	7.3
70°-80°	51.0	3.8
80°-90°	11.5	0.9
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°	588.8	43.7
0°-40°	836.7	62.1
0°-60°	1187.1	88.1
0°-90°	1348.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1348.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	986	985	985	985	986	92
15°	814	814	814	814	816	227
25°	588	586	586	588	586	270
35°	397	395	395	397	397	248
45°	261	259	259	259	259	202
55°	165	165	165	165	165	150
65°	99	99	99	99	99	98
75°	49	49	47	49	49	52
85°	9	9	9	9	9	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1009.0	1009.0	1009.0	1009.0	1009.0
1°	1009.0	1007.3	1007.3	1007.3	1009.0
2°	1005.6	1005.6	1005.6	1005.6	1005.6
3°	1002.1	1000.3	1000.3	1000.3	1000.3
4°	995.1	993.4	993.4	993.4	993.4
5°	986.4	984.7	984.7	984.7	986.4
6°	976.0	974.2	972.5	972.5	974.2
7°	965.5	962.1	962.1	962.1	962.1
8°	949.9	948.1	948.1	948.1	948.1
9°	934.2	930.7	932.5	932.5	932.5
10°	916.8	915.1	915.1	915.1	916.8
11°	899.4	897.7	897.7	895.9	897.7
12°	878.6	878.6	878.6	878.6	878.6
13°	859.4	857.7	857.7	857.7	859.4
14°	838.5	836.8	836.8	836.8	836.8
15°	814.2	814.2	814.2	814.2	815.9
17.5°	758.5	756.8	758.5	758.5	760.3
20°	701.1	699.4	701.1	701.1	701.1
22.5°	643.7	643.7	642.0	643.7	645.4
25°	588.0	586.3	586.3	588.0	586.3
27.5°	535.8	534.1	534.1	534.1	534.1
30°	487.1	483.6	483.6	485.4	485.4
32.5°	436.7	436.7	438.4	436.7	436.7
35°	396.7	394.9	394.9	396.7	396.7
37.5°	356.6	354.9	354.9	356.6	356.6
40°	321.8	321.8	320.1	321.8	321.8
42.5°	288.8	288.8	288.8	288.8	288.8
45°	261.0	259.2	259.2	259.2	259.2
47.5°	233.1	233.1	233.1	231.4	233.1
50°	210.5	208.8	208.8	208.8	208.8
52.5°	186.1	186.1	186.1	186.1	186.1
55°	165.3	165.3	165.3	165.3	165.3
57.5°	147.9	146.1	146.1	146.1	146.1
60°	130.5	130.5	128.7	130.5	130.5
62.5°	113.1	113.1	113.1	113.1	113.1
65°	99.2	99.2	99.2	99.2	99.2
67.5°	85.2	85.2	85.2	85.2	85.2
70°	71.3	71.3	71.3	71.3	71.3
72.5°	60.9	59.2	59.2	59.2	59.2
75°	48.7	48.7	47.0	48.7	48.7
77.5°	36.5	36.5	36.5	36.5	36.5
80°	27.8	27.8	27.8	26.1	27.8
82.5°	17.4	17.4	17.4	17.4	17.4
85°	8.7	8.7	8.7	8.7	8.7
87.5°	1.7	1.7	1.7	3.5	3.5



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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)