

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: P1310532

Luminaire Tested: P3SQAS20R259040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

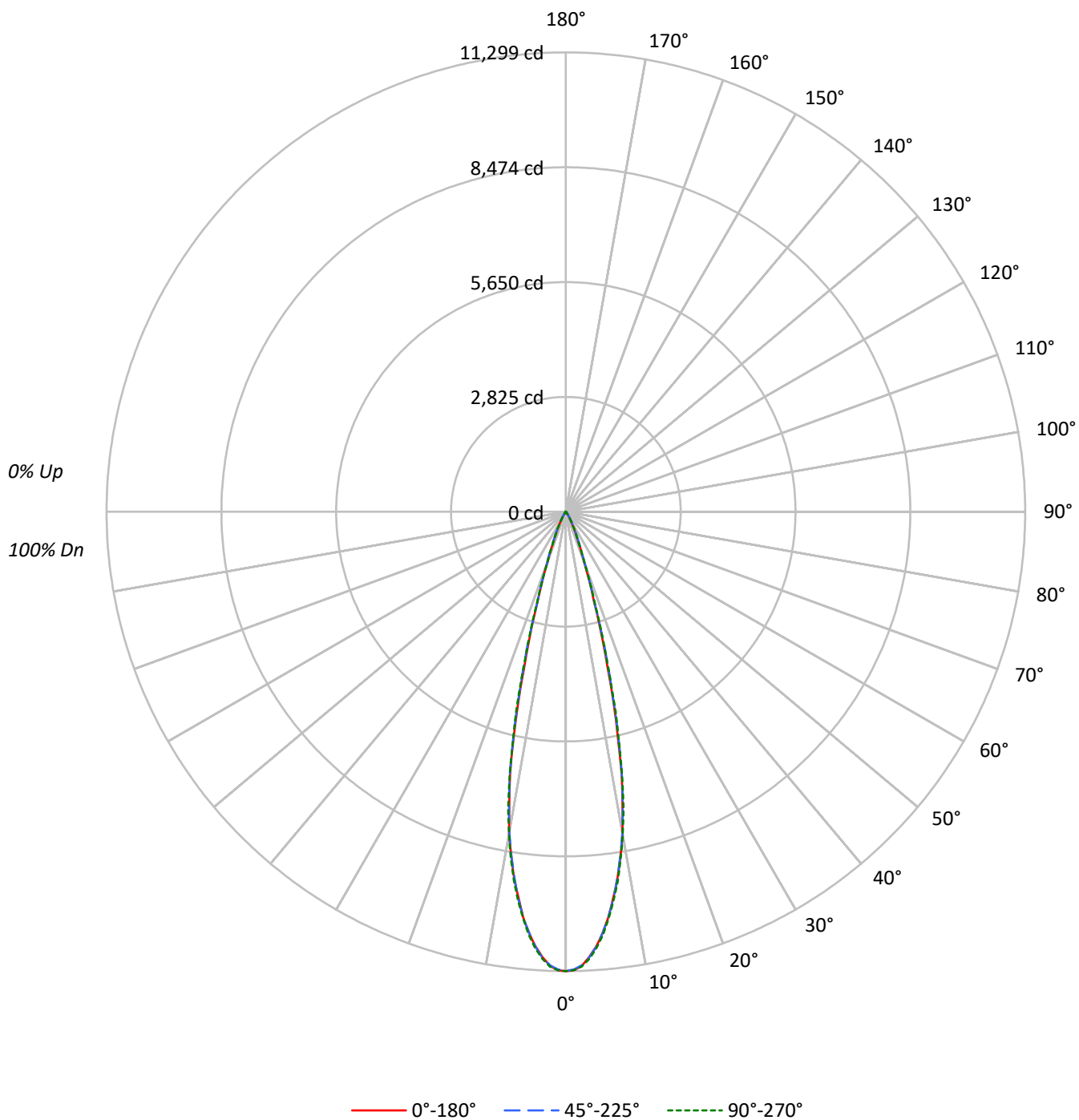
Lumens per Lamp: N/A
Luminaire Lumens: 2386.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1945961	1945961	1945961
5°	1797421	1796799	1806861
10°	1404055	1400242	1409773
15°	706345	735854	735212
20°	241685	248357	244361
25°	97123	109227	101265
30°	39435	47032	38341
35°	11479	20646	11479
40°	5306	8993	5306
45°	1778	3556	1778
50°	965	1474	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	734	734
70°	906	906	906
75°	1198	1198	1198
80°	0	1785	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3556 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	916.7	38.4
10°-20°	1122.0	47.0
20°-30°	274.1	11.5
30°-40°	56.7	2.4
40°-50°	9.9	0.4
50°-60°	3.3	0.1
60°-70°	2.6	0.1
70°-80°	1.7	0.1
80°-90°	0.1	0.0
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°	2312.7	96.9
0°-40°	2369.4	99.3
0°-60°	2382.6	99.8
0°-90°	2386.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2386.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11299	11299	11299	11299	11299	
5°	10397	10406	10393	10415	10452	916
15°	3962	4029	4127	4145	4124	1106
25°	511	535	575	542	533	261
35°	55	76	98	75	55	47
45°	7	11	15	11	7	7
55°	4	4	4	4	4	3
65°	2	4	2	2	2	2
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11299.1	11299.1	11299.1	11299.1	11299.1
1°	11277.3	11262.7	11259.1	11260.9	11279.1
2°	11175.4	11166.3	11164.5	11170.0	11195.4
3°	10968.1	10979.0	10982.6	11000.8	11013.6
4°	10713.4	10735.3	10726.2	10748.0	10762.5
5°	10396.9	10406.0	10393.3	10415.1	10451.5
6°	10027.7	9995.0	10025.9	10035.0	10060.4
7°	9567.5	9574.8	9585.7	9596.6	9634.8
8°	9114.6	9092.8	9087.3	9138.2	9169.2
9°	8585.3	8588.9	8568.9	8627.1	8636.2
10°	8028.7	7983.2	8006.9	8052.4	8061.4
11°	7293.9	7281.1	7315.7	7386.6	7443.0
12°	6604.5	6611.8	6648.1	6671.8	6659.1
13°	5693.2	5747.8	5793.3	5816.9	5786.0
14°	4869.2	4869.2	4927.5	4936.5	5047.5
15°	3961.6	4028.9	4127.1	4145.3	4123.5
17.5°	2288.2	2297.3	2344.6	2342.8	2377.3
20°	1318.7	1331.4	1355.1	1349.6	1333.3
22.5°	793.0	820.3	876.7	831.2	818.5
25°	511.1	534.8	574.8	542.0	532.9
27.5°	320.1	336.5	367.4	338.3	323.8
30°	198.3	207.4	236.5	209.2	192.8
32.5°	107.3	131.0	154.6	131.0	107.3
35°	54.6	76.4	98.2	74.6	54.6
37.5°	36.4	43.7	63.7	41.8	36.4
40°	23.6	29.1	40.0	29.1	23.6
42.5°	12.7	18.2	21.8	20.0	12.7
45°	7.3	10.9	14.6	10.9	7.3
47.5°	5.5	5.5	9.1	5.5	3.6
50°	3.6	3.6	5.5	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	1.8	3.6	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	0.0	0.0	1.8	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)