

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: P1316559

Luminaire Tested: P3SQAS20R359827D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359827D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

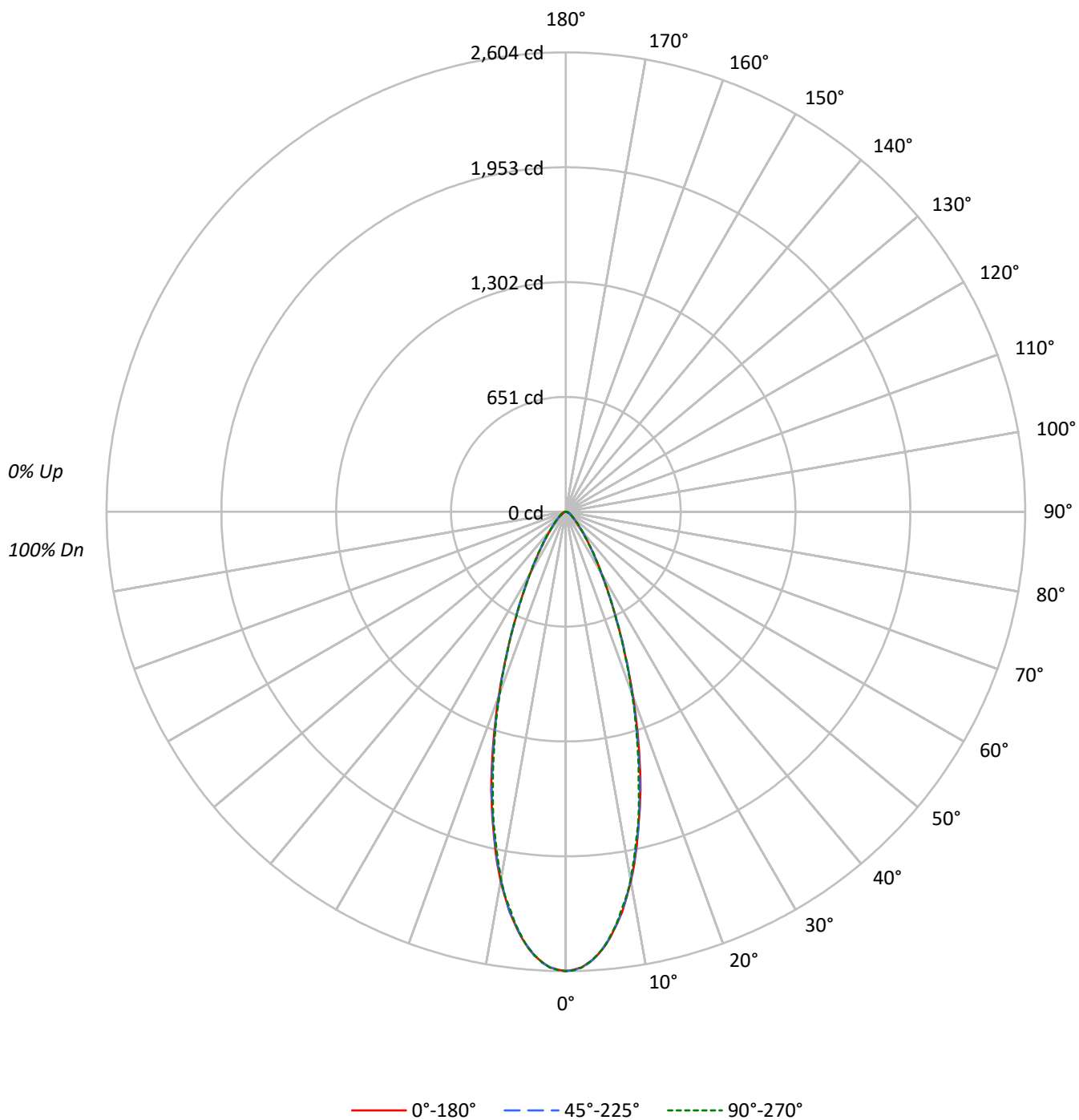
Lumens per Lamp: N/A
Luminaire Lumens: 1284.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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			0
RW	70	50	30	10	70	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	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448399	448399	448399
5°	428467	427724	428467
10°	371951	370709	370220
15°	291464	289182	284617
20°	203912	202080	200778
25°	129503	130301	129503
30°	79785	80342	79785
35°	49345	49660	49660
40°	31340	31655	31655
45°	21141	21482	21823
50°	15245	15620	15620
55°	11950	11950	11950
60°	9817	9817	9817
65°	8680	8680	8680
70°	7855	7855	7855
75°	6654	6654	6654
80°	5653	5653	5653
85°	2766	2766	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 21823 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.0	17.5
10°-20°	443.0	34.5
20°-30°	319.6	24.9
30°-40°	154.1	12.0
40°-50°	71.0	5.5
50°-60°	36.7	2.9
60°-70°	21.2	1.7
70°-80°	10.7	0.8
80°-90°	2.5	0.2
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°	987.6	76.9
0°-40°	1141.7	88.9
0°-60°	1249.5	97.3
0°-90°	1284.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1284.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2604	2604	2604	2604	2604	
5°	2478	2484	2474	2476	2478	225
15°	1635	1632	1622	1615	1596	446
25°	682	683	686	686	682	320
35°	235	235	236	236	236	153
45°	87	88	88	90	90	70
55°	40	40	40	40	40	36
65°	21	21	21	21	21	21
75°	10	10	10	10	10	11
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2603.6	2603.6	2603.6	2603.6	2603.6
1°	2596.4	2600.7	2599.3	2600.7	2599.3
2°	2583.6	2586.5	2583.6	2585.1	2585.1
3°	2556.6	2559.5	2559.5	2558.0	2556.6
4°	2523.9	2531.0	2523.9	2525.3	2521.0
5°	2478.4	2484.0	2474.1	2475.5	2478.4
6°	2422.9	2424.3	2421.5	2420.0	2417.2
7°	2358.9	2364.5	2354.6	2356.0	2353.2
8°	2290.6	2289.1	2289.1	2283.4	2274.9
9°	2208.0	2213.7	2205.2	2202.4	2203.8
10°	2126.9	2126.9	2119.8	2112.7	2117.0
11°	2034.5	2031.6	2027.4	2017.4	2014.6
12°	1933.5	1939.2	1926.3	1922.1	1912.1
13°	1829.6	1838.1	1832.4	1816.8	1818.2
14°	1732.9	1727.2	1722.9	1720.1	1710.1
15°	1634.7	1631.8	1621.9	1614.8	1596.3
17.5°	1365.8	1368.6	1350.2	1347.3	1340.2
20°	1112.6	1104.0	1102.6	1104.0	1095.5
22.5°	877.8	886.3	876.4	877.8	872.1
25°	681.5	682.9	685.7	685.7	681.5
27.5°	529.2	529.2	526.4	529.2	525.0
30°	401.2	401.2	404.0	406.9	401.2
32.5°	310.2	310.2	310.2	311.6	313.0
35°	234.7	234.7	236.2	236.2	236.2
37.5°	180.7	182.1	183.5	183.5	183.5
40°	139.4	140.8	140.8	142.3	140.8
42.5°	111.0	111.0	111.0	112.4	112.4
45°	86.8	88.2	88.2	89.6	89.6
47.5°	71.1	71.1	71.1	72.6	72.6
50°	56.9	58.3	58.3	58.3	58.3
52.5°	46.9	46.9	48.4	48.4	48.4
55°	39.8	39.8	39.8	39.8	39.8
57.5°	32.7	34.1	34.1	34.1	34.1
60°	28.5	28.5	28.5	28.5	28.5
62.5°	24.2	24.2	24.2	24.2	24.2
65°	21.3	21.3	21.3	21.3	21.3
67.5°	17.1	18.5	18.5	18.5	18.5
70°	15.6	15.6	15.6	15.6	15.6
72.5°	11.4	12.8	12.8	12.8	12.8
75°	10.0	10.0	10.0	10.0	10.0
77.5°	8.5	7.1	7.1	7.1	8.5
80°	5.7	5.7	5.7	5.7	5.7
82.5°	4.3	4.3	4.3	4.3	4.3
85°	1.4	1.4	1.4	1.4	2.8
87.5°	0.0	0.0	0.0	1.4	1.4



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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)