

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: P1313739

Luminaire Tested: P3SQAS20R359730D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313739
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: P3SQAS20R359730D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

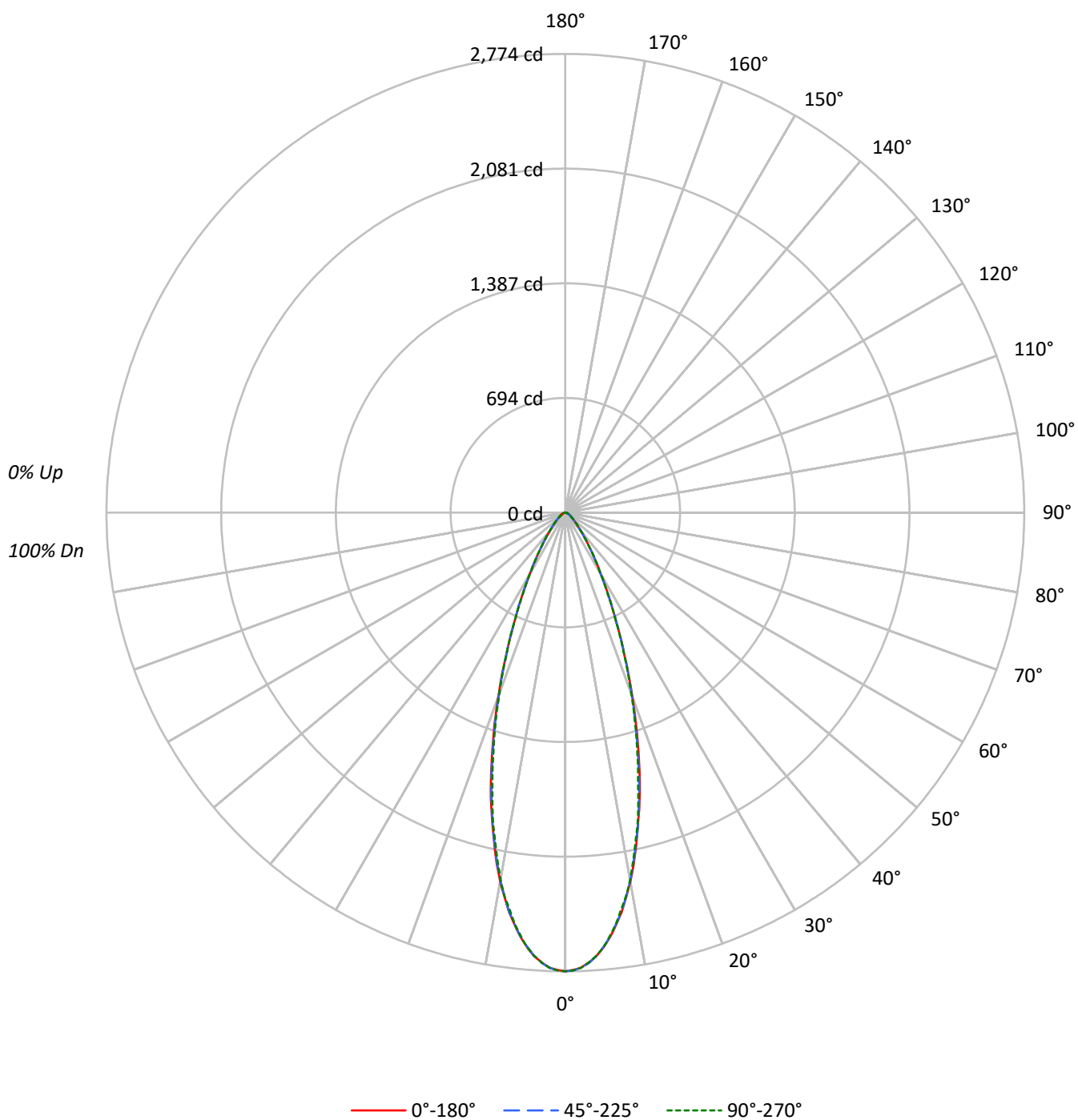
Lumens per Lamp: N/A
Luminaire Lumens: 1368.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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			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°	477728	477728	477728
5°	456491	455696	456491
10°	396294	394965	394441
15°	310524	308099	303231
20°	217236	215294	213919
25°	137978	138833	137978
30°	85015	85612	85015
35°	52582	52898	52898
40°	33386	33746	33746
45°	22529	22895	23260
50°	16237	16639	16639
55°	12731	12731	12731
60°	10437	10437	10437
65°	9251	9251	9251
70°	8409	8409	8409
75°	7053	7053	7053
80°	6050	6050	6050
85°	2964	2964	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 23260 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	17.5
10°-20°	472.0	34.5
20°-30°	340.5	24.9
30°-40°	164.2	12.0
40°-50°	75.7	5.5
50°-60°	39.1	2.9
60°-70°	22.6	1.7
70°-80°	11.4	0.8
80°-90°	2.7	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°	1052.3	76.9
0°-40°	1216.4	88.9
0°-60°	1331.2	97.3
0°-90°	1368.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1368.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2774	2774	2774	2774	2774	
5°	2640	2647	2636	2638	2640	240
15°	1742	1739	1728	1720	1701	475
25°	726	728	731	731	726	341
35°	250	250	252	252	252	163
45°	92	94	94	96	96	75
55°	42	42	42	42	42	38
65°	23	23	23	23	23	22
75°	11	11	11	11	11	11
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2773.9	2773.9	2773.9	2773.9	2773.9
1°	2766.3	2770.9	2769.3	2770.9	2769.3
2°	2752.7	2755.7	2752.7	2754.2	2754.2
3°	2723.9	2726.9	2726.9	2725.4	2723.9
4°	2689.0	2696.6	2689.0	2690.5	2686.0
5°	2640.5	2646.6	2635.9	2637.5	2640.5
6°	2581.4	2582.9	2579.9	2578.3	2575.3
7°	2513.2	2519.2	2508.6	2510.1	2507.1
8°	2440.4	2438.9	2438.9	2432.8	2423.7
9°	2352.5	2358.6	2349.5	2346.4	2347.9
10°	2266.1	2266.1	2258.5	2250.9	2255.5
11°	2167.6	2164.5	2160.0	2149.4	2146.3
12°	2059.9	2066.0	2052.4	2047.8	2037.2
13°	1949.3	1958.4	1952.3	1935.7	1937.2
14°	1846.2	1840.2	1835.6	1832.6	1822.0
15°	1741.6	1738.6	1728.0	1720.4	1700.7
17.5°	1455.2	1458.2	1438.5	1435.4	1427.9
20°	1185.3	1176.2	1174.7	1176.2	1167.2
22.5°	935.2	944.3	933.7	935.2	929.2
25°	726.1	727.6	730.6	730.6	726.1
27.5°	563.9	563.9	560.8	563.9	559.3
30°	427.5	427.5	430.5	433.5	427.5
32.5°	330.4	330.4	330.4	332.0	333.5
35°	250.1	250.1	251.6	251.6	251.6
37.5°	192.5	194.0	195.5	195.5	195.5
40°	148.5	150.1	150.1	151.6	150.1
42.5°	118.2	118.2	118.2	119.7	119.7
45°	92.5	94.0	94.0	95.5	95.5
47.5°	75.8	75.8	75.8	77.3	77.3
50°	60.6	62.1	62.1	62.1	62.1
52.5°	50.0	50.0	51.5	51.5	51.5
55°	42.4	42.4	42.4	42.4	42.4
57.5°	34.9	36.4	36.4	36.4	36.4
60°	30.3	30.3	30.3	30.3	30.3
62.5°	25.8	25.8	25.8	25.8	25.8
65°	22.7	22.7	22.7	22.7	22.7
67.5°	18.2	19.7	19.7	19.7	19.7
70°	16.7	16.7	16.7	16.7	16.7
72.5°	12.1	13.6	13.6	13.6	13.6
75°	10.6	10.6	10.6	10.6	10.6
77.5°	9.1	7.6	7.6	7.6	9.1
80°	6.1	6.1	6.1	6.1	6.1
82.5°	4.5	4.5	4.5	4.5	4.5
85°	1.5	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	1.5	1.5



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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)