

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: P1307218

Luminaire Tested: P3SQAS20R359027D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307218
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: P3SQAS20R359027D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

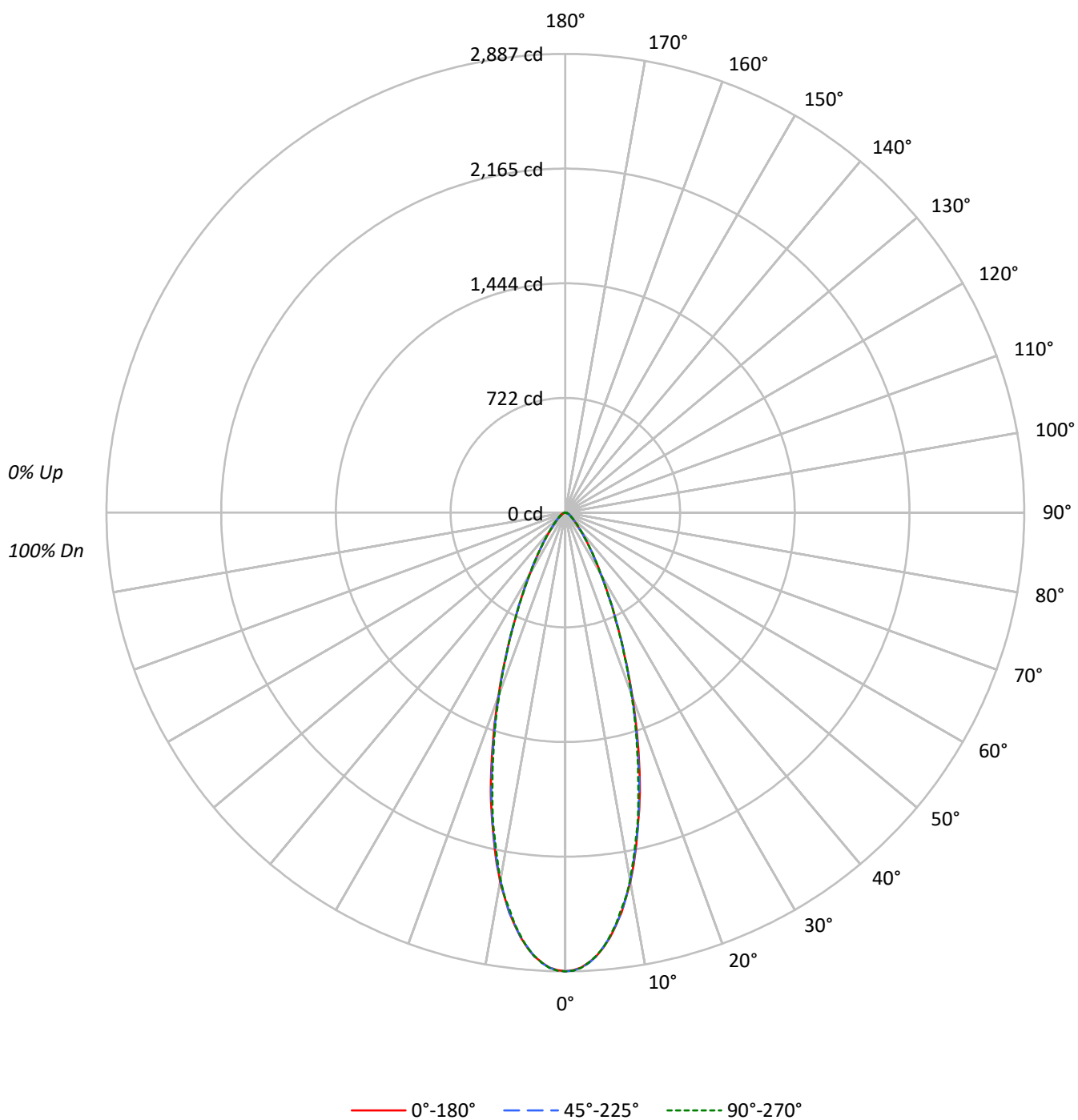
Lumens per Lamp: N/A
Luminaire Lumens: 1424.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	96	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°	497276	497276	497276
5°	475179	474367	475179
10°	412523	411142	410582
15°	323236	320705	315641
20°	226144	224109	222661
25°	143622	144515	143622
30°	88475	89112	88475
35°	54727	55063	55063
40°	34757	35117	35117
45°	23430	23820	24210
50°	16906	17335	17335
55°	13272	13272	13272
60°	10884	10884	10884
65°	9658	9658	9658
70°	8762	8762	8762
75°	7320	7320	7320
80°	6248	6248	6248
85°	3162	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 24210 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.5	17.5
10°-20°	491.3	34.5
20°-30°	354.5	24.9
30°-40°	170.9	12.0
40°-50°	78.8	5.5
50°-60°	40.8	2.9
60°-70°	23.6	1.7
70°-80°	11.9	0.8
80°-90°	2.8	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°	1095.3	76.9
0°-40°	1266.2	88.9
0°-60°	1385.8	97.3
0°-90°	1424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2887	2887	2887	2887	2887	
5°	2749	2755	2744	2745	2749	250
15°	1813	1810	1799	1791	1770	494
25°	756	757	760	760	756	355
35°	260	260	262	262	262	170
45°	96	98	98	99	99	78
55°	44	44	44	44	44	40
65°	24	24	24	24	24	23
75°	11	11	11	11	11	12
85°	2	2	2	2	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2887.4	2887.4	2887.4	2887.4	2887.4
1°	2879.5	2884.3	2882.7	2884.3	2882.7
2°	2865.3	2868.5	2865.3	2866.9	2866.9
3°	2835.4	2838.5	2838.5	2836.9	2835.4
4°	2799.1	2807.0	2799.1	2800.7	2795.9
5°	2748.6	2754.9	2743.9	2745.4	2748.6
6°	2687.0	2688.6	2685.5	2683.9	2680.7
7°	2616.0	2622.4	2611.3	2612.9	2609.7
8°	2540.3	2538.7	2538.7	2532.4	2523.0
9°	2448.8	2455.1	2445.6	2442.5	2444.1
10°	2358.9	2358.9	2351.0	2343.1	2347.8
11°	2256.3	2253.1	2248.4	2237.4	2234.2
12°	2144.3	2150.6	2136.4	2131.7	2120.6
13°	2029.1	2038.6	2032.2	2014.9	2016.5
14°	1921.8	1915.5	1910.8	1907.6	1896.6
15°	1812.9	1809.8	1798.7	1790.8	1770.3
17.5°	1514.7	1517.9	1497.4	1494.2	1486.3
20°	1233.9	1224.4	1222.8	1224.4	1214.9
22.5°	973.5	983.0	971.9	973.5	967.2
25°	755.8	757.4	760.5	760.5	755.8
27.5°	587.0	587.0	583.8	587.0	582.2
30°	444.9	444.9	448.1	451.3	444.9
32.5°	344.0	344.0	344.0	345.5	347.1
35°	260.3	260.3	261.9	261.9	261.9
37.5°	200.4	202.0	203.5	203.5	203.5
40°	154.6	156.2	156.2	157.8	156.2
42.5°	123.1	123.1	123.1	124.6	124.6
45°	96.2	97.8	97.8	99.4	99.4
47.5°	78.9	78.9	78.9	80.5	80.5
50°	63.1	64.7	64.7	64.7	64.7
52.5°	52.1	52.1	53.6	53.6	53.6
55°	44.2	44.2	44.2	44.2	44.2
57.5°	36.3	37.9	37.9	37.9	37.9
60°	31.6	31.6	31.6	31.6	31.6
62.5°	26.8	26.8	26.8	26.8	26.8
65°	23.7	23.7	23.7	23.7	23.7
67.5°	18.9	20.5	20.5	20.5	20.5
70°	17.4	17.4	17.4	17.4	17.4
72.5°	12.6	14.2	14.2	14.2	14.2
75°	11.0	11.0	11.0	11.0	11.0
77.5°	9.5	7.9	7.9	7.9	9.5
80°	6.3	6.3	6.3	6.3	6.3
82.5°	4.7	4.7	4.7	4.7	4.7
85°	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	1.6	1.6



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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)