

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: P1318311

Luminaire Tested: P3SQAS20R359835D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318311
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: P3SQAS20R359835D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

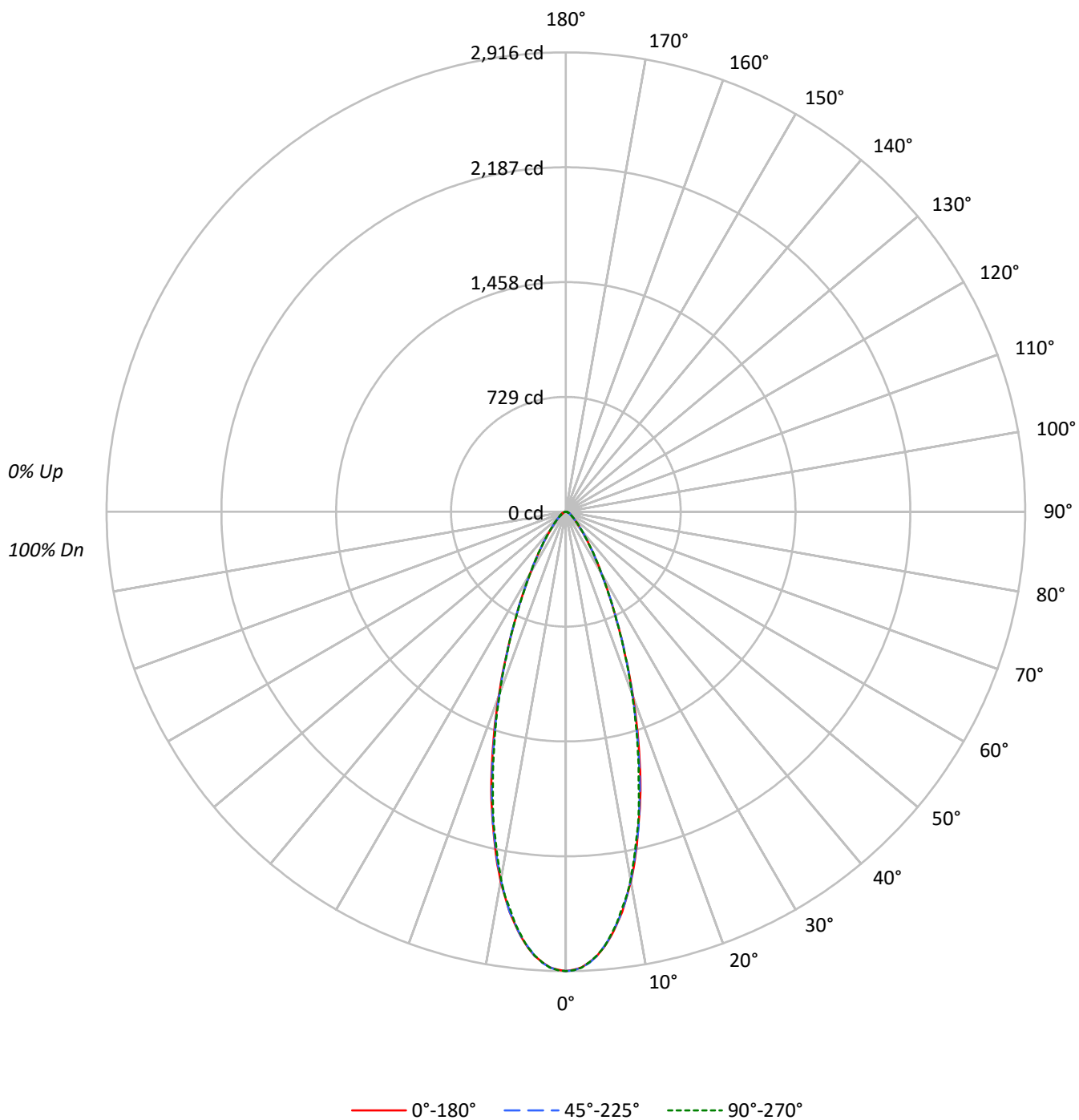
Lumens per Lamp: N/A
Luminaire Lumens: 1438.0 lumens
Efficiency: N/A
Efficacy: 52.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	502167	502167	502167
5°	479847	479017	479847
10°	416580	415181	414622
15°	326428	323860	318743
20°	228361	226309	224861
25°	145028	145940	145028
30°	89350	89987	89350
35°	55273	55610	55610
40°	35095	35454	35454
45°	23674	24064	24453
50°	17067	17496	17496
55°	13392	13392	13392
60°	10988	10988	10988
65°	9740	9740	9740
70°	8812	8812	8812
75°	7453	7453	7453
80°	6347	6347	6347
85°	3162	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 24453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	17.5
10°-20°	496.1	34.5
20°-30°	358.0	24.9
30°-40°	172.6	12.0
40°-50°	79.6	5.5
50°-60°	41.1	2.9
60°-70°	23.8	1.7
70°-80°	12.0	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°	1106.1	76.9
0°-40°	1278.7	88.9
0°-60°	1399.4	97.3
0°-90°	1438.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1438.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2916	2916	2916	2916	2916	
5°	2776	2782	2771	2772	2776	252
15°	1831	1828	1816	1808	1788	499
25°	763	765	768	768	763	358
35°	263	263	264	264	264	172
45°	97	99	99	100	100	79
55°	45	45	45	45	45	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°	2915.8	2915.8	2915.8	2915.8	2915.8
1°	2907.9	2912.6	2911.0	2912.6	2911.0
2°	2893.5	2896.7	2893.5	2895.1	2895.1
3°	2863.2	2866.4	2866.4	2864.8	2863.2
4°	2826.6	2834.6	2826.6	2828.2	2823.4
5°	2775.6	2782.0	2770.8	2772.4	2775.6
6°	2713.5	2715.1	2711.9	2710.3	2707.1
7°	2641.8	2648.1	2637.0	2638.6	2635.4
8°	2565.3	2563.7	2563.7	2557.3	2547.8
9°	2472.9	2479.2	2469.7	2466.5	2468.1
10°	2382.1	2382.1	2374.1	2366.1	2370.9
11°	2278.5	2275.3	2270.5	2259.4	2256.2
12°	2165.4	2171.7	2157.4	2152.6	2141.5
13°	2049.0	2058.6	2052.2	2034.7	2036.3
14°	1940.7	1934.3	1929.5	1926.4	1915.2
15°	1830.8	1827.6	1816.4	1808.4	1787.7
17.5°	1529.6	1532.8	1512.1	1508.9	1500.9
20°	1246.0	1236.4	1234.8	1236.4	1226.9
22.5°	983.1	992.7	981.5	983.1	976.7
25°	763.2	764.8	768.0	768.0	763.2
27.5°	592.7	592.7	589.5	592.7	587.9
30°	449.3	449.3	452.5	455.7	449.3
32.5°	347.3	347.3	347.3	348.9	350.5
35°	262.9	262.9	264.5	264.5	264.5
37.5°	202.4	203.9	205.5	205.5	205.5
40°	156.1	157.7	157.7	159.3	157.7
42.5°	124.3	124.3	124.3	125.9	125.9
45°	97.2	98.8	98.8	100.4	100.4
47.5°	79.7	79.7	79.7	81.3	81.3
50°	63.7	65.3	65.3	65.3	65.3
52.5°	52.6	52.6	54.2	54.2	54.2
55°	44.6	44.6	44.6	44.6	44.6
57.5°	36.6	38.2	38.2	38.2	38.2
60°	31.9	31.9	31.9	31.9	31.9
62.5°	27.1	27.1	27.1	27.1	27.1
65°	23.9	23.9	23.9	23.9	23.9
67.5°	19.1	20.7	20.7	20.7	20.7
70°	17.5	17.5	17.5	17.5	17.5
72.5°	12.7	14.3	14.3	14.3	14.3
75°	11.2	11.2	11.2	11.2	11.2
77.5°	9.6	8.0	8.0	8.0	9.6
80°	6.4	6.4	6.4	6.4	6.4
82.5°	4.8	4.8	4.8	4.8	4.8
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)