

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: P1318127

Luminaire Tested: P3SQAS17R259835DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318127
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259835DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

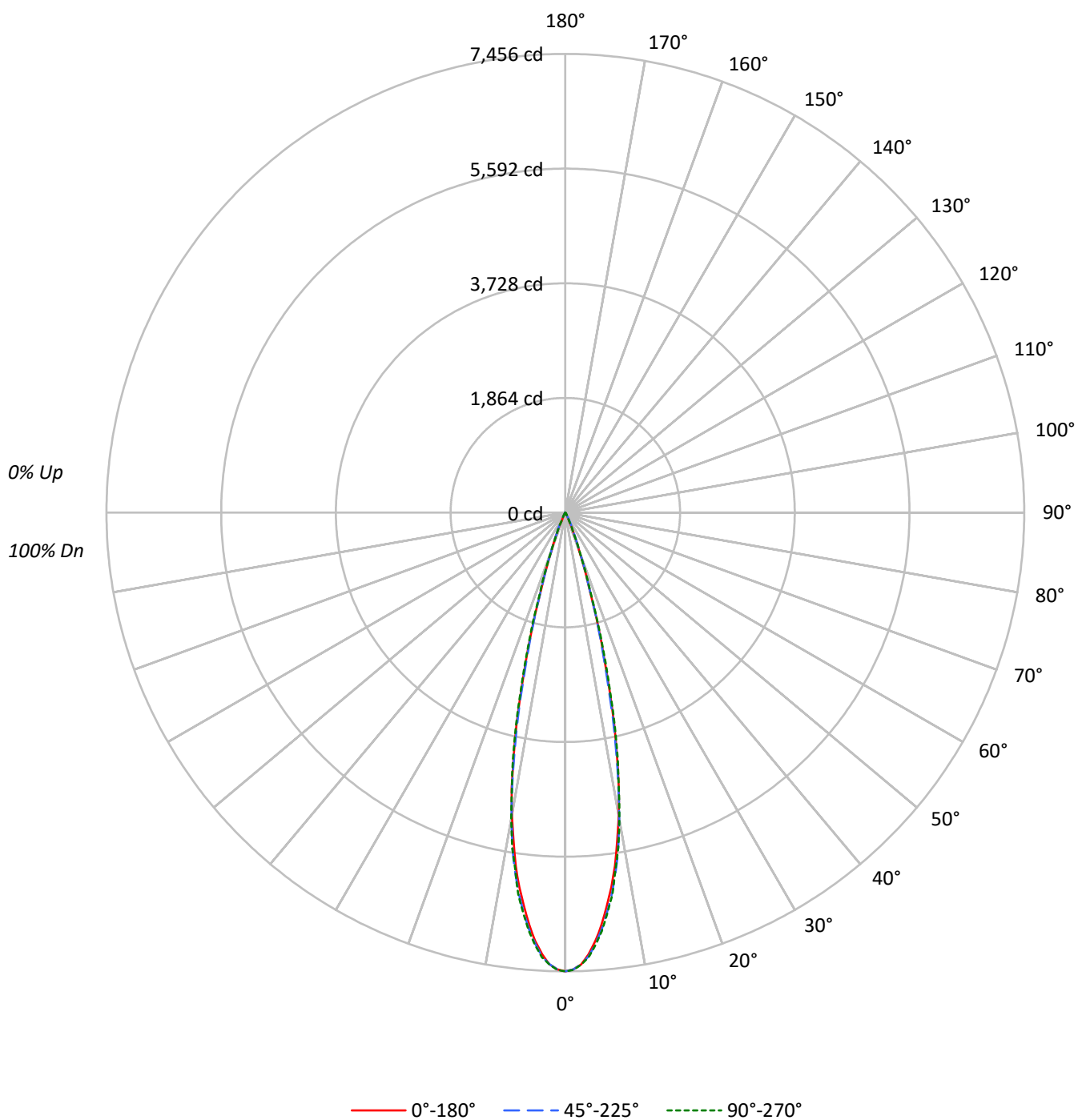
Lumens per Lamp: N/A
Luminaire Lumens: 1376.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1284075	1284075	1284075
5°	1163624	1174222	1179961
10°	874765	880990	885065
15°	433139	420231	448223
20°	122318	124352	125690
25°	21207	40096	25179
30°	8293	8531	8790
35°	2586	2838	2838
40°	832	1102	832
45°	609	292	609
50°	322	0	322
55°	360	0	360
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 609 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.3	43.0
10°-20°	668.0	48.5
20°-30°	103.6	7.5
30°-40°	10.5	0.8
40°-50°	1.4	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1363.8	99.1
0°-40°	1374.3	99.9
0°-60°	1376.0	100.0
0°-90°	1376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7456	7456	7456	7456	7456	
5°	6731	6743	6792	6819	6825	587
15°	2429	2412	2357	2462	2514	665
25°	112	166	211	161	132	94
35°	12	14	14	15	14	10
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7455.9	7455.9	7455.9	7455.9	7455.9
1°	7425.2	7435.0	7424.0	7436.3	7435.0
2°	7347.9	7357.7	7344.2	7351.6	7351.6
3°	7189.6	7210.5	7222.8	7231.4	7238.7
4°	6981.1	7004.4	7022.8	7044.9	7044.9
5°	6730.8	6743.1	6792.1	6819.1	6825.3
6°	6432.6	6481.7	6518.5	6572.5	6539.4
7°	6134.5	6175.0	6226.5	6235.1	6258.4
8°	5795.9	5838.8	5886.7	5878.1	5858.5
9°	5383.6	5446.2	5502.7	5484.3	5508.8
10°	5002.1	5040.1	5037.7	5019.3	5061.0
11°	4559.2	4567.8	4519.9	4594.7	4549.4
12°	4034.1	4041.4	3980.1	4053.7	4100.3
13°	3531.0	3513.8	3429.2	3526.1	3585.0
14°	2951.9	2958.1	2850.1	3037.8	3023.1
15°	2429.3	2412.1	2356.9	2462.4	2513.9
17.5°	1294.4	1305.4	1291.9	1344.7	1377.8
20°	667.4	685.8	678.5	700.6	685.8
22.5°	346.0	371.8	379.1	361.9	315.3
25°	111.6	165.6	211.0	160.7	132.5
27.5°	67.5	66.3	103.1	71.2	72.4
30°	41.7	40.5	42.9	42.9	44.2
32.5°	23.3	24.5	23.3	25.8	24.5
35°	12.3	13.5	13.5	14.7	13.5
37.5°	7.4	8.6	8.6	8.6	7.4
40°	3.7	4.9	4.9	3.7	3.7
42.5°	2.5	2.5	2.5	2.5	2.5
45°	2.5	1.2	1.2	1.2	2.5
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	1.2	0.0	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
55°	1.2	0.0	0.0	0.0	1.2
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	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)