

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: P1309271

Luminaire Tested: P3SQAS17R259035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309271
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: P3SQAS17R259035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

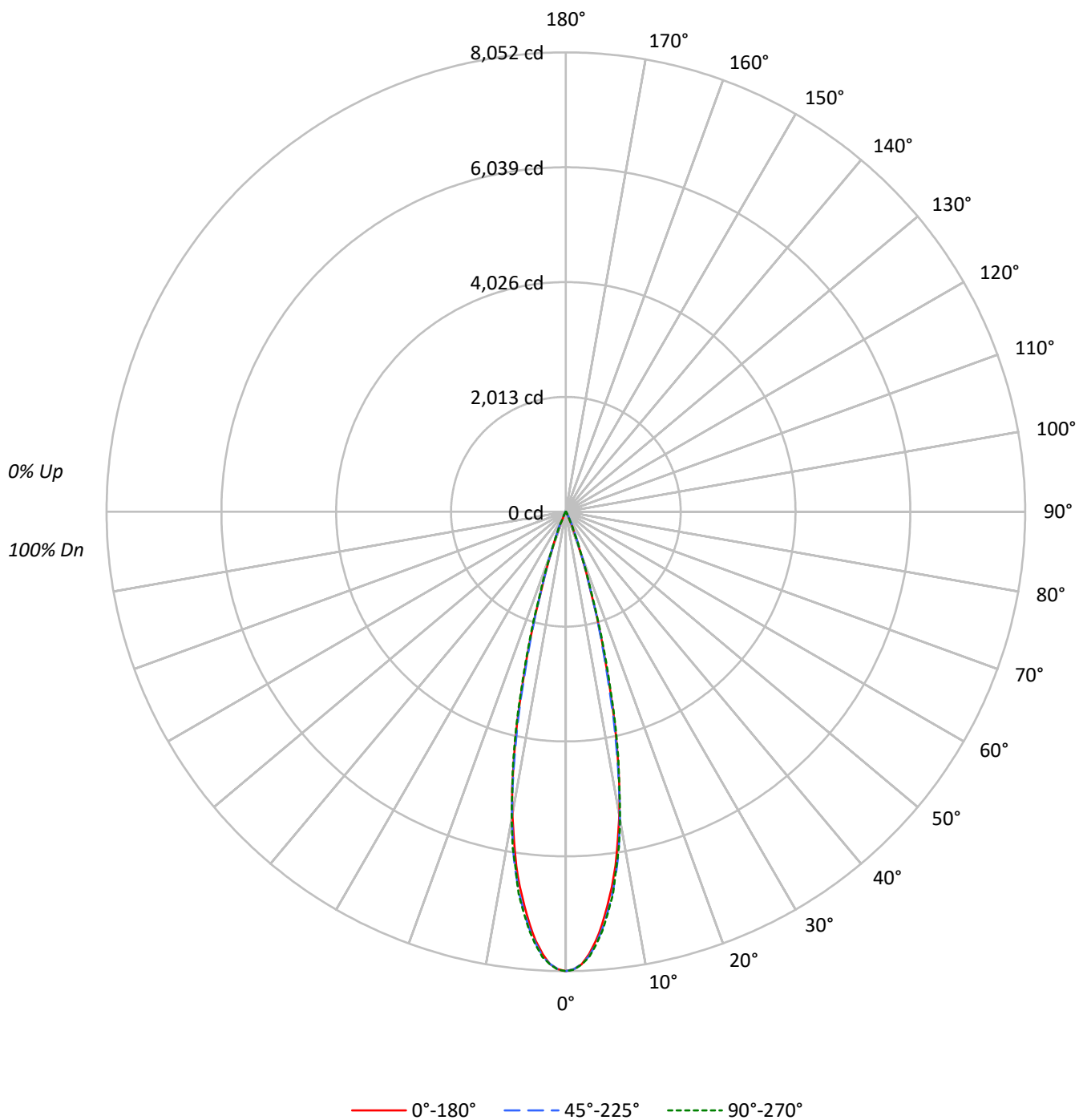
Lumens per Lamp: N/A
Luminaire Lumens: 1486.0 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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°	1386719	1386719	1386719
5°	1256651	1268096	1274285
10°	944699	951414	955821
15°	467765	453822	484061
20°	132105	134286	135752
25°	22917	43307	27193
30°	8949	9227	9486
35°	2775	3070	3070
40°	899	1192	899
45°	633	317	633
50°	348	0	348
55°	390	0	390
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: 633 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.6	43.0
10°-20°	721.4	48.5
20°-30°	111.9	7.5
30°-40°	11.3	0.8
40°-50°	1.5	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°	1472.9	99.1
0°-40°	1484.2	99.9
0°-60°	1486.0	100.0
0°-90°	1486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8052	8052	8052	8052	8052	
5°	7269	7282	7335	7364	7371	634
15°	2624	2605	2545	2659	2715	719
25°	121	179	228	174	143	101
35°	13	15	15	16	15	11
45°	3	1	1	1	3	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8051.9	8051.9	8051.9	8051.9	8051.9
1°	8018.8	8029.4	8017.5	8030.7	8029.4
2°	7935.3	7945.9	7931.3	7939.3	7939.3
3°	7764.4	7786.9	7800.2	7809.4	7817.4
4°	7539.2	7564.3	7584.2	7608.1	7608.1
5°	7268.9	7282.1	7335.1	7364.3	7370.9
6°	6946.9	6999.9	7039.6	7097.9	7062.2
7°	6624.9	6668.6	6724.3	6733.6	6758.7
8°	6259.2	6305.6	6357.3	6348.0	6326.8
9°	5814.0	5881.6	5942.5	5922.7	5949.2
10°	5402.0	5443.0	5440.4	5420.5	5465.6
11°	4923.6	4932.9	4881.2	4962.1	4913.0
12°	4356.5	4364.5	4298.2	4377.7	4428.1
13°	3813.3	3794.8	3703.3	3808.0	3871.6
14°	3187.9	3194.5	3077.9	3280.7	3264.8
15°	2623.5	2604.9	2545.3	2659.2	2714.9
17.5°	1397.9	1409.8	1395.2	1452.2	1488.0
20°	720.8	740.7	732.7	756.6	740.7
22.5°	373.6	401.5	409.4	390.9	340.5
25°	120.6	178.9	227.9	173.6	143.1
27.5°	72.9	71.5	111.3	76.8	78.2
30°	45.0	43.7	46.4	46.4	47.7
32.5°	25.2	26.5	25.2	27.8	26.5
35°	13.2	14.6	14.6	15.9	14.6
37.5°	7.9	9.3	9.3	9.3	7.9
40°	4.0	5.3	5.3	4.0	4.0
42.5°	2.6	2.6	2.6	2.6	2.6
45°	2.6	1.3	1.3	1.3	2.6
47.5°	1.3	1.3	0.0	1.3	1.3
50°	1.3	1.3	0.0	1.3	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
55°	1.3	0.0	0.0	0.0	1.3
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)