

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: P1307032

Luminaire Tested: P3SQAS17R259027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

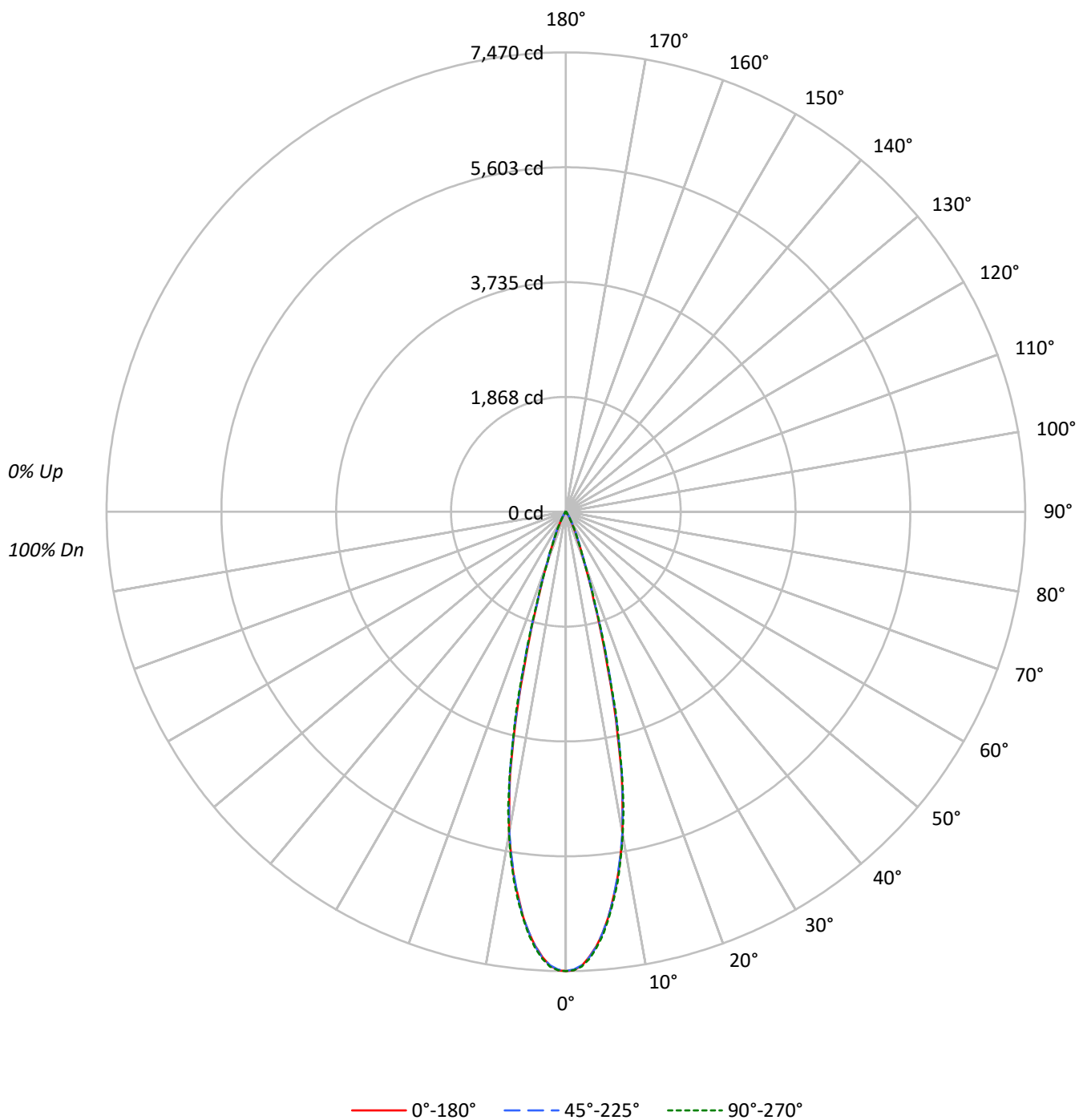
Lumens per Lamp: N/A
Luminaire Lumens: 1578.0 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	84	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1286434	1286434	1286434
5°	1188242	1187827	1194483
10°	928190	925672	931985
15°	466945	486468	486040
20°	159780	164178	161539
25°	64210	72210	66946
30°	26071	31083	25355
35°	7590	13645	7590
40°	3507	5958	3507
45°	1169	2338	1169
50°	643	965	643
55°	721	721	721
60°	827	827	827
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	1190	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	606.0	38.4
10°-20°	741.7	47.0
20°-30°	181.2	11.5
30°-40°	37.5	2.4
40°-50°	6.5	0.4
50°-60°	2.2	0.1
60°-70°	1.7	0.1
70°-80°	1.1	0.1
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°	1528.9	96.9
0°-40°	1566.4	99.3
0°-60°	1575.1	99.8
0°-90°	1578.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7470	7470	7470	7470	7470	
5°	6873	6879	6871	6885	6909	605
15°	2619	2663	2728	2740	2726	731
25°	338	354	380	358	352	173
35°	36	50	65	49	36	31
45°	5	7	10	7	5	5
55°	2	2	2	2	2	2
65°	1	2	1	1	1	2
75°	1	1	1	1	1	1
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°	7469.6	7469.6	7469.6	7469.6	7469.6
1°	7455.2	7445.6	7443.2	7444.4	7456.4
2°	7387.9	7381.9	7380.7	7384.3	7401.1
3°	7250.8	7258.0	7260.4	7272.4	7280.8
4°	7082.4	7096.9	7090.9	7105.3	7114.9
5°	6873.2	6879.2	6870.8	6885.2	6909.3
6°	6629.1	6607.5	6627.9	6633.9	6650.8
7°	6324.9	6329.7	6336.9	6344.1	6369.4
8°	6025.5	6011.1	6007.5	6041.1	6061.6
9°	5675.6	5678.0	5664.8	5703.2	5709.2
10°	5307.6	5277.6	5293.2	5323.3	5329.3
11°	4821.8	4813.4	4836.3	4883.2	4920.4
12°	4366.1	4370.9	4395.0	4410.6	4402.2
13°	3763.7	3799.7	3829.8	3845.4	3825.0
14°	3219.0	3219.0	3257.4	3263.5	3336.8
15°	2618.9	2663.4	2728.4	2740.4	2726.0
17.5°	1512.7	1518.7	1550.0	1548.8	1571.6
20°	871.8	880.2	895.8	892.2	881.4
22.5°	524.3	542.3	579.6	549.5	541.1
25°	337.9	353.5	380.0	358.3	352.3
27.5°	211.6	222.5	242.9	223.7	214.0
30°	131.1	137.1	156.3	138.3	127.5
32.5°	70.9	86.6	102.2	86.6	70.9
35°	36.1	50.5	64.9	49.3	36.1
37.5°	24.0	28.9	42.1	27.7	24.0
40°	15.6	19.2	26.5	19.2	15.6
42.5°	8.4	12.0	14.4	13.2	8.4
45°	4.8	7.2	9.6	7.2	4.8
47.5°	3.6	3.6	6.0	3.6	2.4
50°	2.4	2.4	3.6	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.2	2.4	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	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)