

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: P1316359

Luminaire Tested: P3SQAS17R209827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

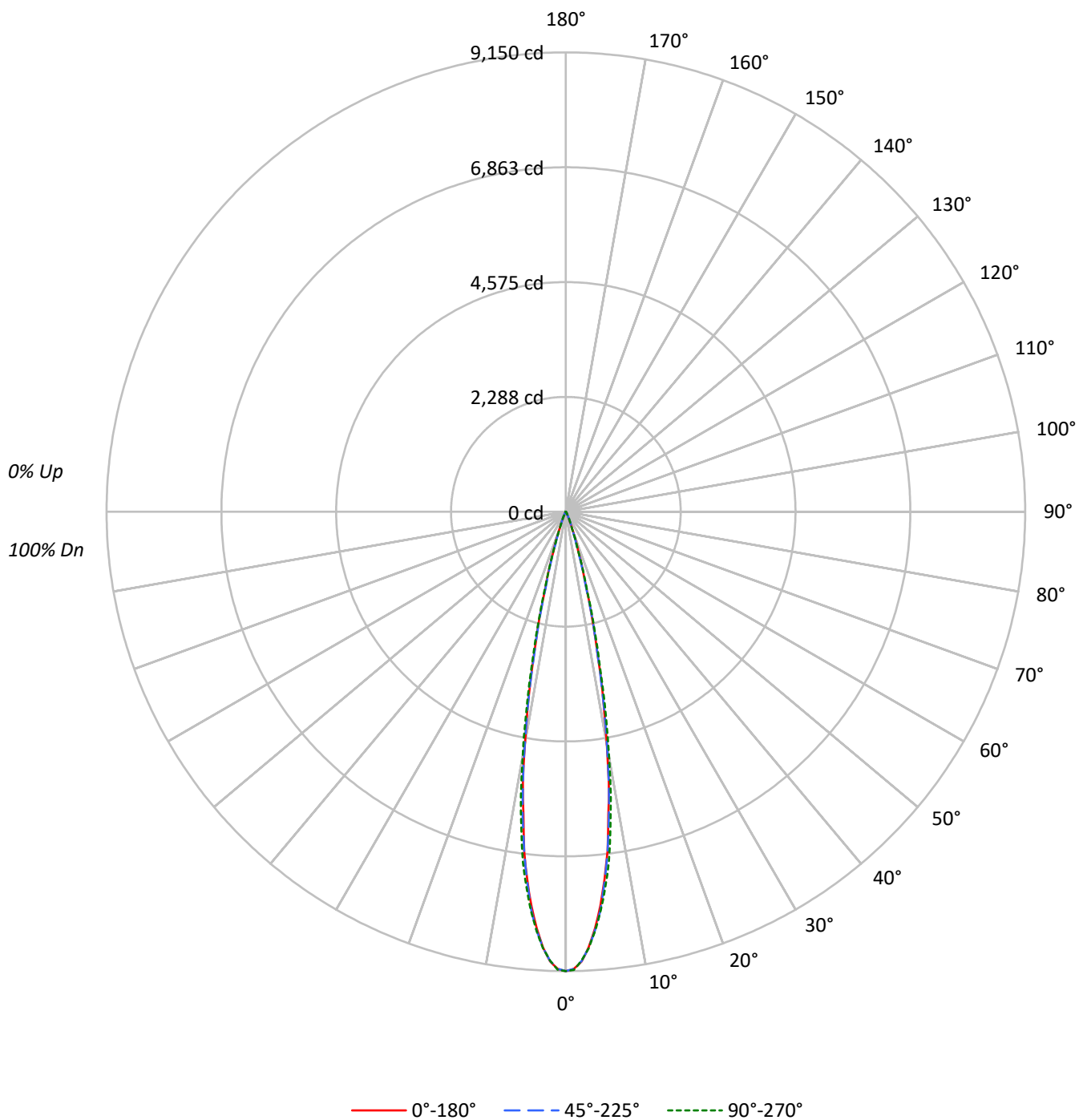
Lumens per Lamp: N/A
Luminaire Lumens: 1229.0 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1575889	1575889	1575889
5°	1361382	1374054	1379172
10°	819538	827197	868364
15°	283458	276825	298881
20°	74447	70030	70231
25°	16228	19554	22271
30°	6960	6960	7179
35°	3911	3448	3679
40°	1731	1978	2226
45°	536	804	804
50°	295	295	295
55°	0	0	0
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: 22.5°

Vertical Angle: 45°

Luminance: 804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.5	53.3
10°-20°	498.3	40.5
20°-30°	61.6	5.0
30°-40°	11.7	0.9
40°-50°	2.8	0.2
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°	1214.4	98.8
0°-40°	1226.0	99.8
0°-60°	1229.0	100.0
0°-90°	1229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9150	9150	9150	9150	9150	
5°	7875	7869	7948	7943	7978	649
15°	1590	1533	1553	1646	1676	498
25°	85	97	103	107	117	59
35°	19	19	16	18	18	12
45°	2	3	3	3	3	2
55°	0	0	0	0	0	0
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°	9150.3	9150.3	9150.3	9150.3	9150.3
1°	9107.6	9096.6	9105.4	9086.8	9125.1
2°	8961.9	8951.0	8951.0	8940.0	8945.5
3°	8690.4	8707.9	8697.0	8674.0	8703.5
4°	8320.3	8340.0	8357.5	8358.6	8363.0
5°	7874.7	7869.2	7948.0	7942.6	7977.6
6°	7366.6	7360.1	7394.0	7450.9	7521.0
7°	6808.2	6728.3	6819.2	6934.1	7028.3
8°	6085.6	6106.4	6168.8	6304.6	6380.1
9°	5472.4	5350.9	5483.4	5645.4	5727.5
10°	4686.3	4587.7	4730.1	4900.9	4965.5
12.5°	2949.7	2864.3	2910.3	3089.9	3118.3
15°	1589.8	1532.9	1552.6	1645.7	1676.3
17.5°	811.3	759.9	748.9	808.1	814.6
20°	406.2	394.2	382.1	387.6	383.2
22.5°	188.3	204.8	202.6	191.6	204.8
25°	85.4	97.4	102.9	107.3	117.2
27.5°	52.6	50.4	58.0	62.4	63.5
30°	35.0	33.9	35.0	36.1	36.1
32.5°	25.2	24.1	23.0	23.0	24.1
35°	18.6	18.6	16.4	17.5	17.5
37.5°	13.1	13.1	12.0	13.1	13.1
40°	7.7	8.8	8.8	8.8	9.9
42.5°	4.4	5.5	5.5	5.5	5.5
45°	2.2	3.3	3.3	3.3	3.3
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)