

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: P1309097

Luminaire Tested: P3SQAS13R209035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309097
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: P3SQAS13R209035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

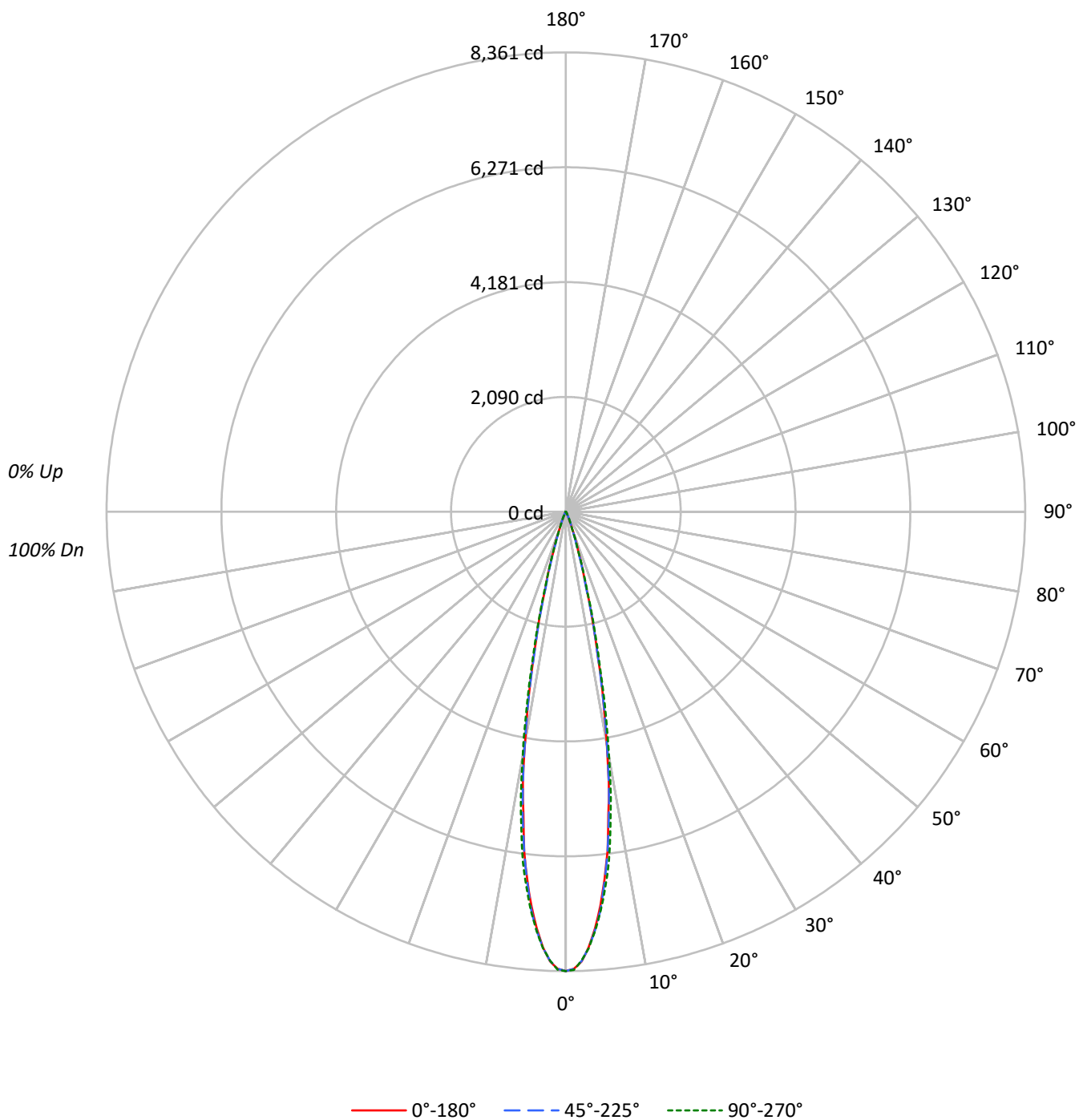
Lumens per Lamp: N/A
Luminaire Lumens: 1123.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	1439971	1439971	1439971
5°	1243962	1255545	1260212
10°	748851	755846	793463
15°	259014	252951	273099
20°	68032	64000	64183
25°	14822	17863	20352
30°	6364	6364	6563
35°	3574	3154	3364
40°	1574	1799	2023
45°	487	731	731
50°	268	268	268
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: 731 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	598.0	53.3
10°-20°	455.3	40.5
20°-30°	56.3	5.0
30°-40°	10.7	0.9
40°-50°	2.6	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°	1109.6	98.8
0°-40°	1120.3	99.8
0°-60°	1123.0	100.0
0°-90°	1123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8361	8361	8361	8361	8361	
5°	7196	7190	7262	7258	7290	593
15°	1453	1401	1419	1504	1532	455
25°	78	89	94	98	107	54
35°	17	17	15	16	16	11
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°	8361.1	8361.1	8361.1	8361.1	8361.1
1°	8322.0	8312.0	8320.0	8303.0	8338.1
2°	8189.0	8179.0	8179.0	8169.0	8174.0
3°	7940.9	7956.9	7946.9	7925.9	7952.9
4°	7602.7	7620.7	7636.7	7637.7	7641.7
5°	7195.5	7190.5	7262.5	7257.5	7289.5
6°	6731.3	6725.3	6756.3	6808.3	6872.3
7°	6221.0	6148.0	6231.0	6336.1	6422.1
8°	5560.7	5579.7	5636.7	5760.8	5829.8
9°	5000.4	4889.4	5010.4	5158.5	5233.5
10°	4282.1	4192.0	4322.1	4478.2	4537.2
12.5°	2695.3	2617.3	2659.3	2823.4	2849.4
15°	1452.7	1400.7	1418.7	1503.7	1531.7
17.5°	741.4	694.3	684.3	738.4	744.4
20°	371.2	360.2	349.2	354.2	350.2
22.5°	172.1	187.1	185.1	175.1	187.1
25°	78.0	89.0	94.0	98.0	107.1
27.5°	48.0	46.0	53.0	57.0	58.0
30°	32.0	31.0	32.0	33.0	33.0
32.5°	23.0	22.0	21.0	21.0	22.0
35°	17.0	17.0	15.0	16.0	16.0
37.5°	12.0	12.0	11.0	12.0	12.0
40°	7.0	8.0	8.0	8.0	9.0
42.5°	4.0	5.0	5.0	5.0	5.0
45°	2.0	3.0	3.0	3.0	3.0
47.5°	1.0	1.0	1.0	2.0	2.0
50°	1.0	1.0	1.0	1.0	1.0
52.5°	1.0	0.0	0.0	0.0	1.0
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)