

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: P1309094

Luminaire Tested: P3SQAS13R209035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

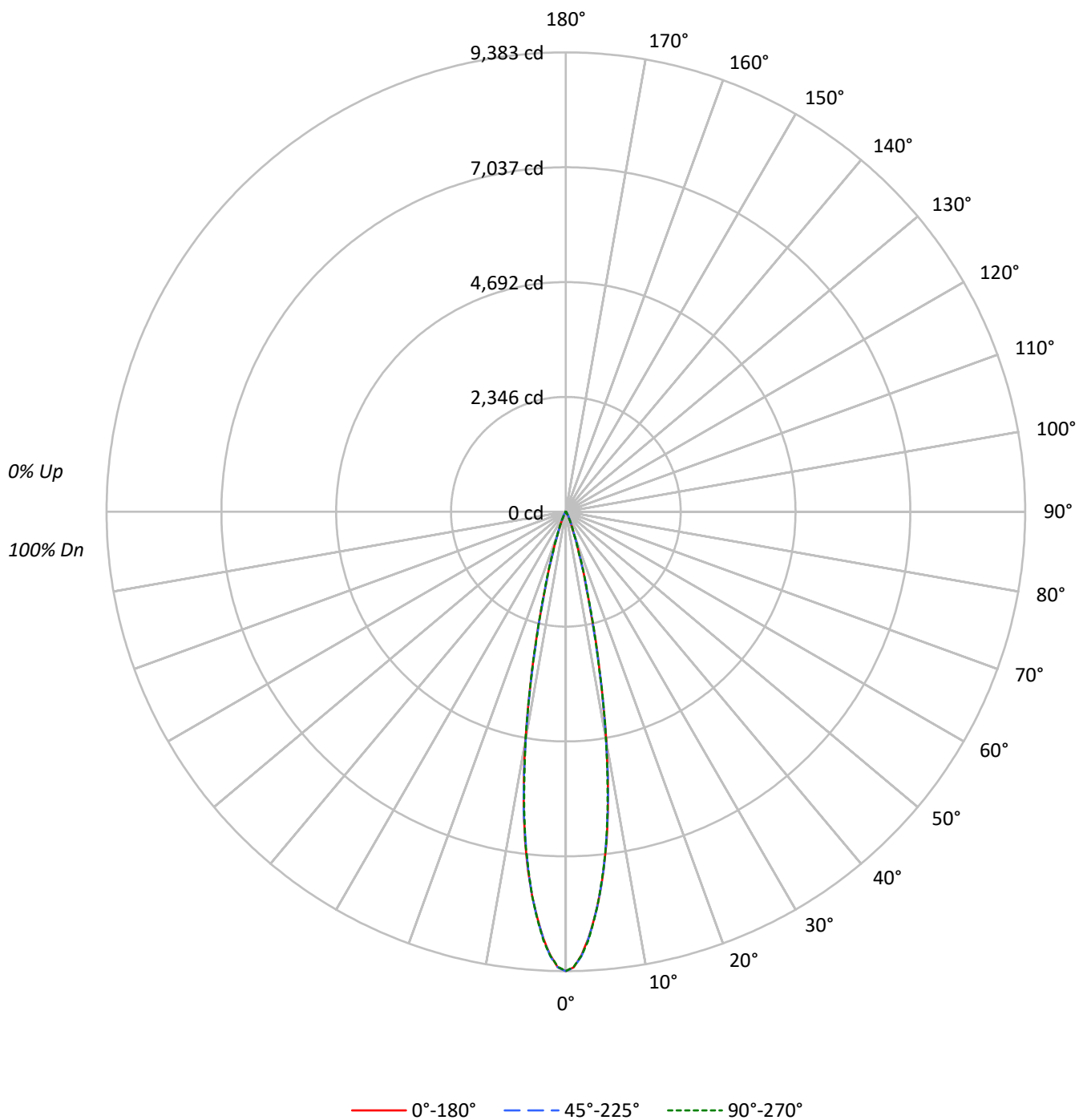
Lumens per Lamp: N/A
Luminaire Lumens: 1293.0 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309094

CATALOG NUMBER: P3SQAS13R209035DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309094

CATALOG NUMBER: P3SQAS13R209035DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1615931	1615931	1615931
5°	1361987	1362506	1361814
10°	829960	826113	828037
15°	292355	293603	302697
20°	91858	94424	92408
25°	34414	37644	35364
30°	13324	18892	13921
35°	5046	8410	5466
40°	2698	3597	2698
45°	974	1705	1218
50°	536	804	536
55°	601	601	601
60°	344	344	344
65°	408	408	408
70°	504	504	504
75°	0	0	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1705 cd/sqm

TEST NUMBER: P1309094

CATALOG NUMBER: P3SQAS13R209035DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	651.3	50.4
10°-20°	510.7	39.5
20°-30°	100.3	7.8
30°-40°	22.5	1.7
40°-50°	5.1	0.4
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.4	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°	1262.3	97.6
0°-40°	1284.8	99.4
0°-60°	1291.6	99.9
0°-90°	1293.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9383	9383	9383	9383	9383	
5°	7878	7885	7881	7908	7877	653
15°	1640	1647	1647	1683	1698	510
25°	181	193	198	195	186	95
35°	24	29	40	29	26	18
45°	4	6	7	6	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309094

CATALOG NUMBER: P3SQAS13R209035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9382.8	9382.8	9382.8	9382.8	9382.8
1°	9306.7	9286.7	9309.7	9291.7	9295.7
2°	9065.6	9054.6	9084.6	9065.6	9075.6
3°	8730.5	8716.5	8738.5	8739.5	8767.5
4°	8330.3	8303.3	8336.3	8337.3	8342.3
5°	7878.2	7885.2	7881.2	7908.2	7877.2
6°	7370.0	7393.0	7363.0	7378.0	7334.9
7°	6801.7	6772.7	6757.7	6762.7	6792.7
8°	6174.5	6154.5	6176.5	6145.5	6124.5
9°	5477.2	5442.2	5466.2	5436.2	5406.2
10°	4745.9	4729.9	4723.9	4689.9	4734.9
11°	4012.6	3964.6	3988.6	3971.6	4020.6
12°	3326.3	3330.3	3283.3	3298.3	3304.3
13°	2707.1	2643.1	2651.1	2692.1	2699.1
14°	2099.8	2108.8	2111.8	2140.9	2157.9
15°	1639.7	1646.7	1646.7	1682.7	1697.7
17.5°	879.4	879.4	898.4	902.4	904.4
20°	501.2	504.2	515.2	514.2	504.2
22.5°	300.1	306.1	312.1	306.1	300.1
25°	181.1	193.1	198.1	195.1	186.1
27.5°	108.0	121.0	135.1	124.0	107.0
30°	67.0	74.0	95.0	76.0	70.0
32.5°	37.0	48.0	65.0	50.0	38.0
35°	24.0	29.0	40.0	29.0	26.0
37.5°	17.0	20.0	25.0	21.0	18.0
40°	12.0	14.0	16.0	15.0	12.0
42.5°	8.0	10.0	11.0	10.0	8.0
45°	4.0	6.0	7.0	6.0	5.0
47.5°	2.0	3.0	5.0	3.0	2.0
50°	2.0	2.0	3.0	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	1.0	2.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	1.0
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



TEST NUMBER: P1309094
CATALOG NUMBER: P3SQAS13R209035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)