

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: P1315777

Luminaire Tested: P3SQAS02R209827DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209827DE010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

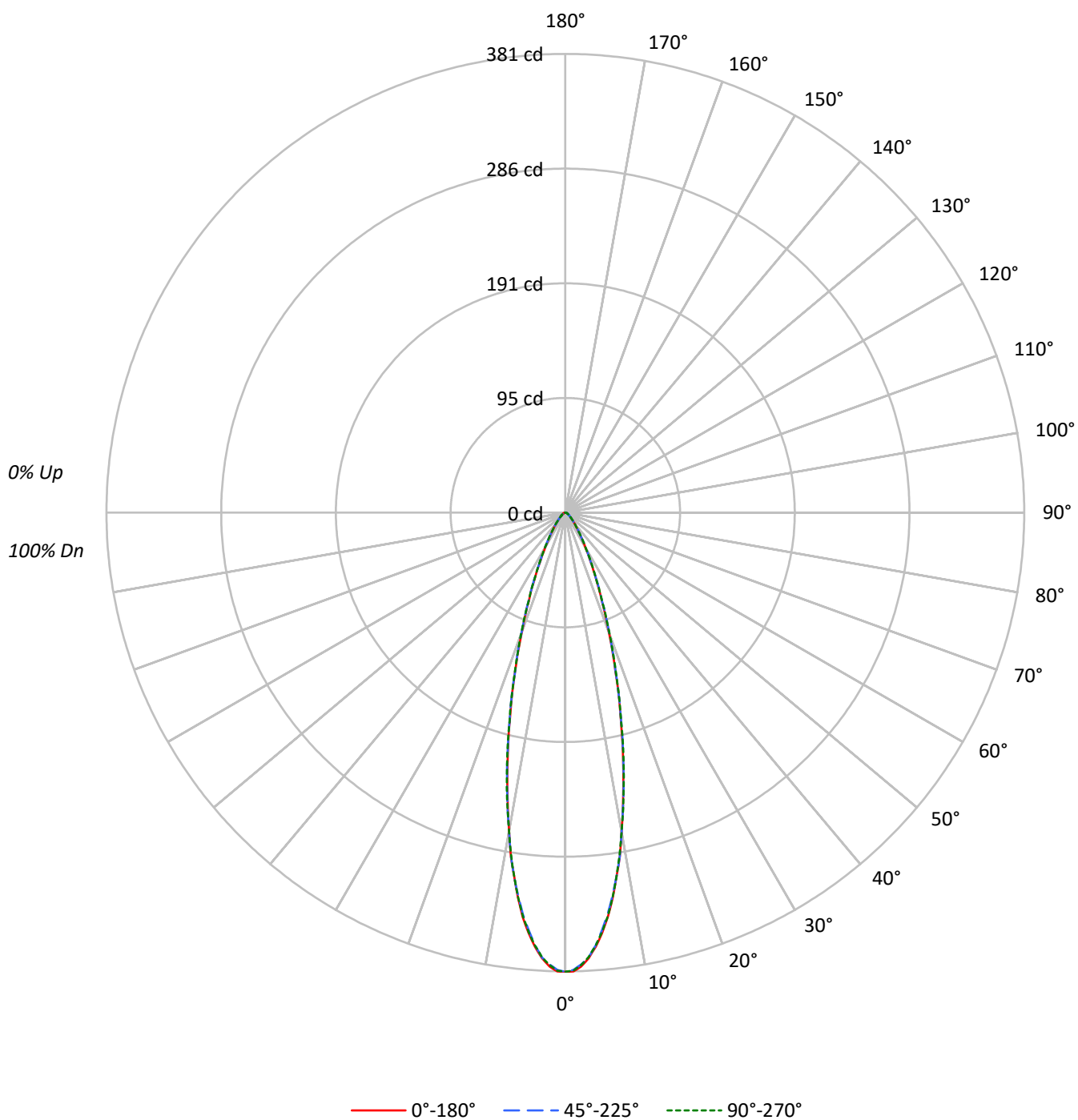
Lumens per Lamp: N/A
Luminaire Lumens: 134.0 lumens
Efficiency: N/A
Efficacy: 37.2 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1315777

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315777

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQPHL1MMS

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65668	65668	65668
5°	60577	60232	60439
10°	47008	47078	47078
15°	31773	31933	31933
20°	19299	19537	19629
25°	11326	11478	11440
30°	6602	6742	6761
35°	4037	4142	4142
40°	2630	2653	2698
45°	1827	1875	1900
50°	1340	1393	1393
55°	1051	1111	1111
60°	930	930	964
65°	815	815	897
70°	755	755	755
75°	665	665	665
80°	496	496	694
85°	395	395	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1900 cd/sqm

TEST NUMBER: P1315777

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.7	22.9
10°-20°	49.2	36.7
20°-30°	28.5	21.3
30°-40°	12.8	9.5
40°-50°	6.1	4.5
50°-60°	3.3	2.5
60°-70°	2.0	1.5
70°-80°	1.1	0.8
80°-90°	0.2	0.2
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°	108.5	81.0
0°-40°	121.3	90.5
0°-60°	130.7	97.5
0°-90°	134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	381	381	381	381	381	
5°	350	349	348	349	350	31
15°	178	178	179	178	179	49
25°	60	60	60	60	60	28
35°	19	19	20	20	20	13
45°	8	8	8	8	8	6
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315777

CATALOG NUMBER: P3SQAS02R209827DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	381.3	381.3	381.3	381.3	381.3
1°	381.1	380.1	379.8	379.5	380.5
2°	377.3	376.1	375.5	375.8	376.0
3°	370.5	369.8	369.8	369.3	369.6
4°	361.6	360.3	360.3	360.4	360.4
5°	350.4	349.3	348.4	349.1	349.6
6°	337.9	336.4	335.7	335.9	337.1
7°	322.6	320.6	320.9	321.7	321.7
8°	305.2	305.0	305.4	305.0	305.4
9°	289.2	286.9	288.9	287.2	288.0
10°	268.8	268.7	269.2	269.7	269.2
12.5°	222.4	223.3	223.6	222.9	224.4
15°	178.2	178.2	179.1	178.2	179.1
17.5°	138.7	138.5	139.2	138.5	139.5
20°	105.3	106.5	106.6	106.6	107.1
22.5°	79.4	79.4	80.1	80.3	79.9
25°	59.6	59.6	60.4	59.9	60.2
27.5°	44.1	44.4	45.1	45.4	45.4
30°	33.2	33.4	33.9	34.0	34.0
32.5°	25.0	25.4	25.7	25.9	26.0
35°	19.2	19.4	19.7	19.9	19.7
37.5°	14.7	14.9	15.2	15.4	15.4
40°	11.7	11.7	11.8	12.0	12.0
42.5°	9.2	9.3	9.3	9.5	9.5
45°	7.5	7.5	7.7	7.7	7.8
47.5°	6.0	6.0	6.2	6.3	6.3
50°	5.0	5.0	5.2	5.2	5.2
52.5°	4.2	4.2	4.3	4.3	4.3
55°	3.5	3.5	3.7	3.7	3.7
57.5°	3.0	3.0	3.2	3.2	3.2
60°	2.7	2.7	2.7	2.7	2.8
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.0	2.0	2.0	2.0	2.2
67.5°	1.7	1.7	1.7	1.7	1.8
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.3	1.3
75°	1.0	1.0	1.0	1.0	1.0
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.5	0.5	0.5	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.2	0.2	0.2	0.2	0.3
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)