

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: P1309725

Luminaire Tested: P3SQAS02R209040DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309725
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: P3SQAS02R209040DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

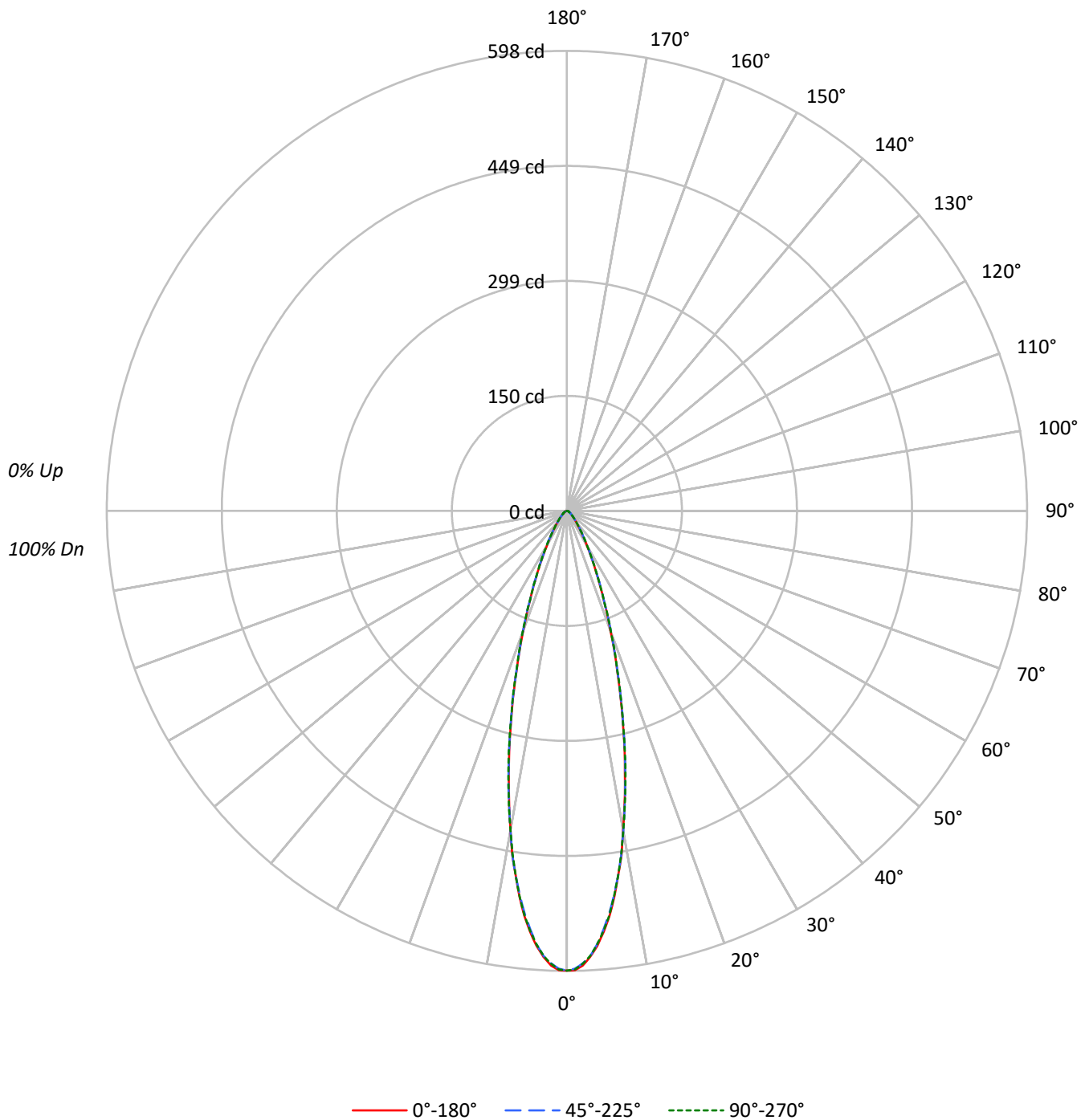
Lumens per Lamp: N/A
Luminaire Lumens: 210.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309725

CATALOG NUMBER: P3SQAS02R209040DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309725

CATALOG NUMBER: P3SQAS02R209040DE010 E3SQPHL1MW

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°	102920	102920	102920
5°	94946	94410	94721
10°	73677	73764	73764
15°	49799	50030	50030
20°	30240	30625	30772
25°	17748	17996	17939
30°	10341	10560	10600
35°	6328	6497	6497
40°	4114	4182	4227
45°	2874	2923	2996
50°	2090	2170	2170
55°	1651	1742	1742
60°	1447	1447	1516
65°	1263	1263	1386
70°	1209	1209	1209
75°	1065	1065	1065
80°	793	793	992
85°	593	593	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2996 cd/sqm

TEST NUMBER: P1309725

CATALOG NUMBER: P3SQAS02R209040DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	22.9
10°-20°	77.2	36.7
20°-30°	44.7	21.3
30°-40°	20.0	9.5
40°-50°	9.5	4.5
50°-60°	5.2	2.5
60°-70°	3.2	1.5
70°-80°	1.7	0.8
80°-90°	0.4	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°	170.0	81.0
0°-40°	190.1	90.5
0°-60°	204.8	97.5
0°-90°	210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	210.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	549	547	546	547	548	48
15°	279	279	281	279	281	77
25°	93	93	95	94	94	44
35°	30	30	31	31	31	20
45°	12	12	12	12	12	9
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309725

CATALOG NUMBER: P3SQAS02R209040DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597.6	597.6	597.6	597.6	597.6
1°	597.3	595.7	595.2	594.7	596.3
2°	591.3	589.5	588.4	588.9	589.2
3°	580.6	579.5	579.5	578.7	579.3
4°	566.7	564.6	564.6	564.9	564.9
5°	549.2	547.4	546.1	547.1	547.9
6°	529.6	527.2	526.2	526.4	528.3
7°	505.5	502.4	502.9	504.2	504.2
8°	478.3	478.1	478.6	478.1	478.6
9°	453.2	449.6	452.7	450.1	451.4
10°	421.3	421.0	421.8	422.6	421.8
12.5°	348.6	349.9	350.4	349.4	351.7
15°	279.3	279.3	280.6	279.3	280.6
17.5°	217.3	217.1	218.1	217.1	218.6
20°	165.0	166.8	167.1	167.1	167.9
22.5°	124.5	124.5	125.5	125.8	125.3
25°	93.4	93.4	94.7	93.9	94.4
27.5°	69.0	69.6	70.6	71.1	71.1
30°	52.0	52.3	53.1	53.3	53.3
32.5°	39.2	39.8	40.3	40.5	40.8
35°	30.1	30.3	30.9	31.1	30.9
37.5°	23.0	23.3	23.8	24.1	24.1
40°	18.3	18.3	18.6	18.8	18.8
42.5°	14.4	14.6	14.6	14.9	14.9
45°	11.8	11.8	12.0	12.0	12.3
47.5°	9.4	9.4	9.7	9.9	9.9
50°	7.8	7.8	8.1	8.1	8.1
52.5°	6.5	6.5	6.8	6.8	6.8
55°	5.5	5.5	5.8	5.8	5.8
57.5°	4.7	4.7	5.0	5.0	5.0
60°	4.2	4.2	4.2	4.2	4.4
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.1	3.1	3.1	3.1	3.4
67.5°	2.6	2.6	2.6	2.6	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.8	1.8	1.8	2.1	2.1
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.8	0.8	0.8	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.5
87.5°	0.0	0.0	0.0	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)