

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: P1306371

Luminaire Tested: P3SQAS02R209027DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306371
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: P3SQAS02R209027DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

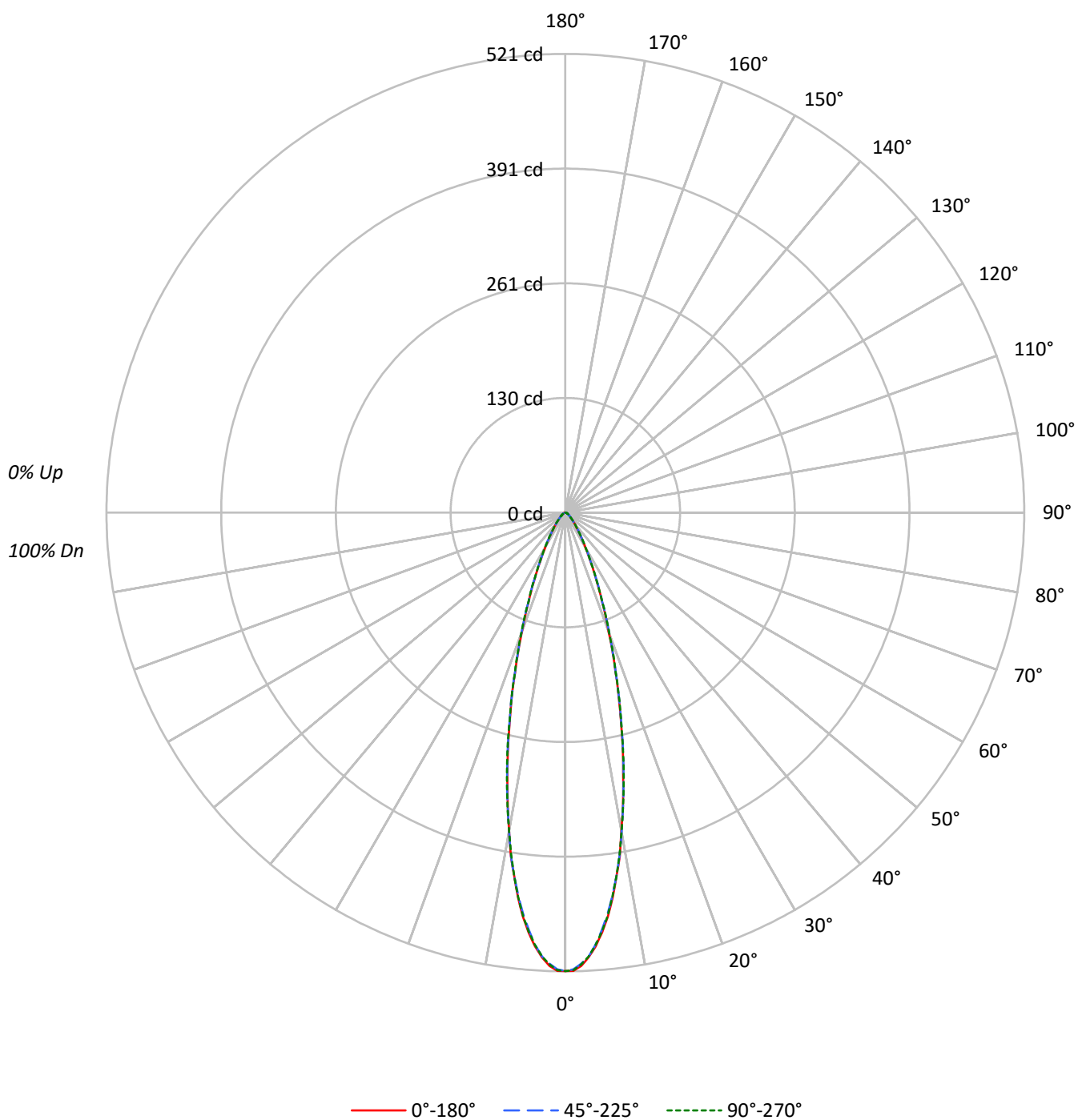
Lumens per Lamp: N/A
Luminaire Lumens: 183.0 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306371

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306371

CATALOG NUMBER: P3SQAS02R209027DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	89676	89676	89676
5°	82741	82257	82533
10°	64198	64286	64286
15°	43398	43594	43594
20°	26355	26685	26813
25°	15468	15677	15639
30°	9028	9207	9247
35°	5508	5656	5656
40°	3597	3642	3687
45°	2509	2557	2606
50°	1822	1902	1902
55°	1441	1501	1501
60°	1240	1240	1343
65°	1100	1100	1223
70°	1057	1057	1057
75°	932	932	932
80°	694	694	893
85°	395	395	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2606 cd/sqm

TEST NUMBER: P1306371

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	22.9
10°-20°	67.2	36.7
20°-30°	38.9	21.3
30°-40°	17.5	9.5
40°-50°	8.3	4.5
50°-60°	4.5	2.5
60°-70°	2.8	1.5
70°-80°	1.5	0.8
80°-90°	0.3	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°	148.2	81.0
0°-40°	165.6	90.5
0°-60°	178.5	97.5
0°-90°	183.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	183.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	479	477	476	477	477	42
15°	243	243	244	243	244	67
25°	81	81	82	82	82	39
35°	26	26	27	27	27	17
45°	10	10	10	10	11	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1306371

CATALOG NUMBER: P3SQAS02R209027DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.7	520.7	520.7	520.7	520.7
1°	520.5	519.1	518.7	518.2	519.6
2°	515.3	513.7	512.8	513.2	513.4
3°	505.9	505.0	505.0	504.3	504.8
4°	493.8	492.0	492.0	492.3	492.3
5°	478.6	477.0	475.8	476.8	477.4
6°	461.5	459.4	458.5	458.8	460.3
7°	440.5	437.8	438.2	439.4	439.4
8°	416.8	416.6	417.0	416.6	417.0
9°	394.9	391.8	394.5	392.2	393.3
10°	367.1	366.9	367.6	368.3	367.6
12.5°	303.8	304.9	305.4	304.5	306.5
15°	243.4	243.4	244.5	243.4	244.5
17.5°	189.4	189.2	190.1	189.2	190.5
20°	143.8	145.4	145.6	145.6	146.3
22.5°	108.5	108.5	109.4	109.6	109.2
25°	81.4	81.4	82.5	81.8	82.3
27.5°	60.2	60.6	61.5	62.0	62.0
30°	45.4	45.6	46.3	46.5	46.5
32.5°	34.2	34.6	35.1	35.3	35.6
35°	26.2	26.4	26.9	27.1	26.9
37.5°	20.1	20.3	20.7	21.0	21.0
40°	16.0	16.0	16.2	16.4	16.4
42.5°	12.5	12.8	12.8	13.0	13.0
45°	10.3	10.3	10.5	10.5	10.7
47.5°	8.2	8.2	8.4	8.7	8.7
50°	6.8	6.8	7.1	7.1	7.1
52.5°	5.7	5.7	5.9	5.9	5.9
55°	4.8	4.8	5.0	5.0	5.0
57.5°	4.1	4.1	4.3	4.3	4.3
60°	3.6	3.6	3.6	3.6	3.9
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.7	2.7	2.7	2.7	3.0
67.5°	2.3	2.3	2.3	2.3	2.5
70°	2.1	2.1	2.1	2.1	2.1
72.5°	1.6	1.6	1.6	1.8	1.8
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.7	0.7	0.7	0.9	0.9
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.5
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)