

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: P1312085

Luminaire Tested: P3SQAS05R209727DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312085
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: P3SQAS05R209727DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

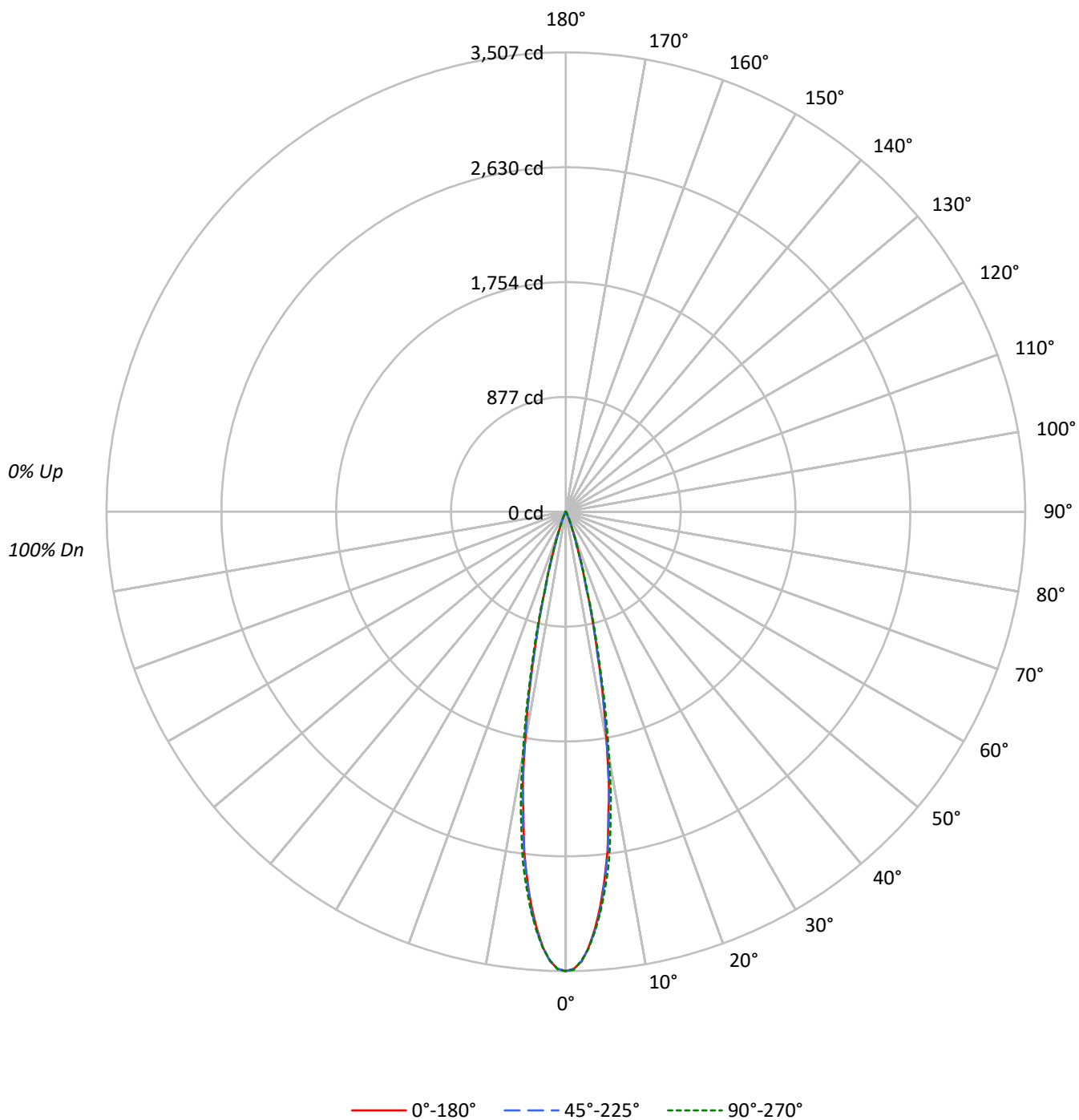
Lumens per Lamp: N/A
Luminaire Lumens: 471.0 lumens
Efficiency: N/A
Efficacy: 65.4 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1312085

CATALOG NUMBER: P3SQAS05R209727DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312085

CATALOG NUMBER: P3SQAS05R209727DE010 E3SQPH1MW

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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	603933	603933	603933
5°	521736	526594	528548
10°	314083	317004	332796
15°	108637	106087	114539
20°	28536	26832	26923
25°	6214	7487	8532
30°	2665	2665	2744
35°	1493	1325	1409
40°	652	764	854
45°	195	317	317
50°	107	107	107
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: 317 cd/sqm

TEST NUMBER: P1312085

CATALOG NUMBER: P3SQAS05R209727DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.8	53.3
10°-20°	191.0	40.5
20°-30°	23.6	5.0
30°-40°	4.5	0.9
40°-50°	1.1	0.2
50°-60°	0.1	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°	465.4	98.8
0°-40°	469.8	99.8
0°-60°	471.0	100.0
0°-90°	471.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3507	3507	3507	3507	3507	
5°	3018	3016	3046	3044	3057	249
15°	609	588	595	631	642	191
25°	33	37	39	41	45	23
35°	7	7	6	7	7	5
45°	1	1	1	1	1	1
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	



TEST NUMBER: P1312085

CATALOG NUMBER: P3SQAS05R209727DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3506.7	3506.7	3506.7	3506.7	3506.7
1°	3490.4	3486.2	3489.5	3482.4	3497.1
2°	3434.6	3430.4	3430.4	3426.2	3428.3
3°	3330.5	3337.2	3333.0	3324.2	3335.5
4°	3188.7	3196.2	3202.9	3203.4	3205.0
5°	3017.9	3015.8	3046.0	3043.9	3057.3
6°	2823.2	2820.7	2833.7	2855.5	2882.3
7°	2609.2	2578.5	2613.4	2657.4	2693.5
8°	2332.2	2340.2	2364.1	2416.2	2445.1
9°	2097.2	2050.7	2101.4	2163.5	2195.0
10°	1796.0	1758.2	1812.7	1878.2	1903.0
12.5°	1130.4	1097.7	1115.3	1184.2	1195.1
15°	609.3	587.5	595.0	630.7	642.4
17.5°	310.9	291.2	287.0	309.7	312.2
20°	155.7	151.1	146.4	148.5	146.9
22.5°	72.2	78.5	77.6	73.4	78.5
25°	32.7	37.3	39.4	41.1	44.9
27.5°	20.1	19.3	22.2	23.9	24.3
30°	13.4	13.0	13.4	13.8	13.8
32.5°	9.7	9.2	8.8	8.8	9.2
35°	7.1	7.1	6.3	6.7	6.7
37.5°	5.0	5.0	4.6	5.0	5.0
40°	2.9	3.4	3.4	3.4	3.8
42.5°	1.7	2.1	2.1	2.1	2.1
45°	0.8	1.3	1.3	1.3	1.3
47.5°	0.4	0.4	0.4	0.8	0.8
50°	0.4	0.4	0.4	0.4	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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)