

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: P1317727

Luminaire Tested: P3SQAS05R359835DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359835DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

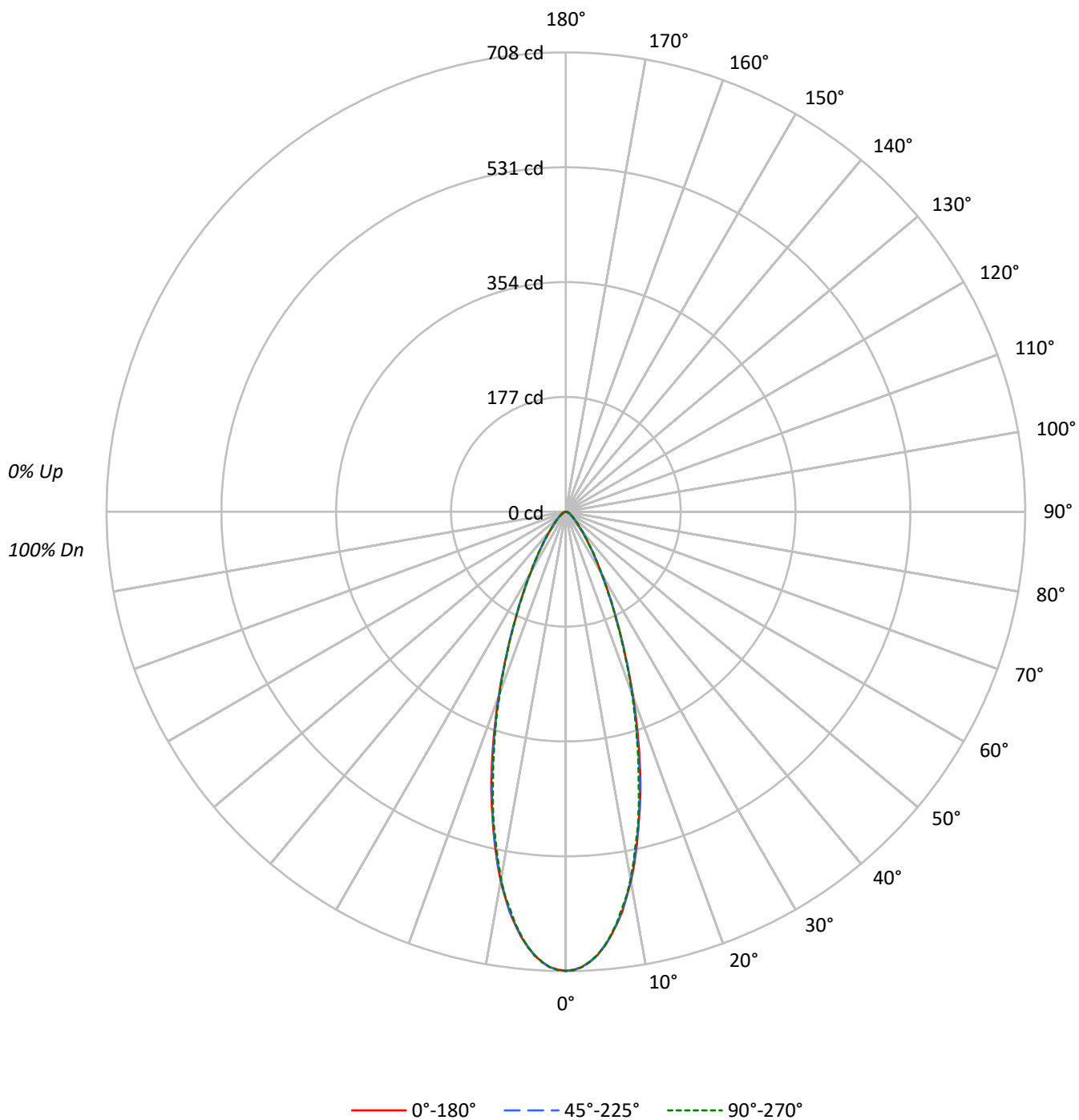
Lumens per Lamp: N/A
Luminaire Lumens: 349.0 lumens
Efficiency: N/A
Efficacy: 48.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317727

CATALOG NUMBER: P3SQAS05R359835DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317727

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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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	121882	121882	121882
5°	116452	116262	116452
10°	101098	100766	100626
15°	79218	78594	77364
20°	55423	54928	54579
25°	35193	35421	35193
30°	21676	21835	21676
35°	13414	13498	13498
40°	8521	8611	8611
45°	5748	5845	5943
50°	4153	4260	4260
55°	3243	3243	3243
60°	2652	2652	2652
65°	2364	2364	2364
70°	2165	2165	2165
75°	1797	1797	1797
80°	1488	1488	1488
85°	790	790	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 5943 cd/sqm

TEST NUMBER: P1317727

CATALOG NUMBER: P3SQAS05R359835DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	17.5
10°-20°	120.4	34.5
20°-30°	86.9	24.9
30°-40°	41.9	12.0
40°-50°	19.3	5.5
50°-60°	10.0	2.9
60°-70°	5.8	1.7
70°-80°	2.9	0.8
80°-90°	0.7	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°	268.4	76.9
0°-40°	310.3	88.9
0°-60°	339.6	97.3
0°-90°	349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	708	708	708	708	708	
5°	674	675	672	673	674	61
15°	444	444	441	439	434	121
25°	185	186	186	186	185	87
35°	64	64	64	64	64	42
45°	24	24	24	24	24	19
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1317727

CATALOG NUMBER: P3SQAS05R359835DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	707.7	707.7	707.7	707.7	707.7
1°	705.7	706.9	706.5	706.9	706.5
2°	702.3	703.0	702.3	702.6	702.6
3°	694.9	695.7	695.7	695.3	694.9
4°	686.0	687.9	686.0	686.4	685.2
5°	673.6	675.2	672.5	672.9	673.6
6°	658.6	658.9	658.2	657.8	657.0
7°	641.2	642.7	640.0	640.4	639.6
8°	622.6	622.2	622.2	620.7	618.3
9°	600.2	601.7	599.4	598.6	599.0
10°	578.1	578.1	576.2	574.3	575.4
11°	553.0	552.2	551.1	548.3	547.6
12°	525.5	527.1	523.6	522.4	519.7
13°	497.3	499.6	498.1	493.8	494.2
14°	471.0	469.5	468.3	467.5	464.8
15°	444.3	443.5	440.8	438.9	433.9
17.5°	371.2	372.0	367.0	366.2	364.3
20°	302.4	300.1	299.7	300.1	297.8
22.5°	238.6	240.9	238.2	238.6	237.0
25°	185.2	185.6	186.4	186.4	185.2
27.5°	143.9	143.9	143.1	143.9	142.7
30°	109.0	109.0	109.8	110.6	109.0
32.5°	84.3	84.3	84.3	84.7	85.1
35°	63.8	63.8	64.2	64.2	64.2
37.5°	49.1	49.5	49.9	49.9	49.9
40°	37.9	38.3	38.3	38.7	38.3
42.5°	30.2	30.2	30.2	30.5	30.5
45°	23.6	24.0	24.0	24.4	24.4
47.5°	19.3	19.3	19.3	19.7	19.7
50°	15.5	15.9	15.9	15.9	15.9
52.5°	12.8	12.8	13.1	13.1	13.1
55°	10.8	10.8	10.8	10.8	10.8
57.5°	8.9	9.3	9.3	9.3	9.3
60°	7.7	7.7	7.7	7.7	7.7
62.5°	6.6	6.6	6.6	6.6	6.6
65°	5.8	5.8	5.8	5.8	5.8
67.5°	4.6	5.0	5.0	5.0	5.0
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.1	3.5	3.5	3.5	3.5
75°	2.7	2.7	2.7	2.7	2.7
77.5°	2.3	1.9	1.9	1.9	2.3
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.4	0.4



TEST NUMBER: P1317727

CATALOG NUMBER: P3SQAS05R359835DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)