

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: P1308776

Luminaire Tested: P3SQAS05R209035DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209035DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

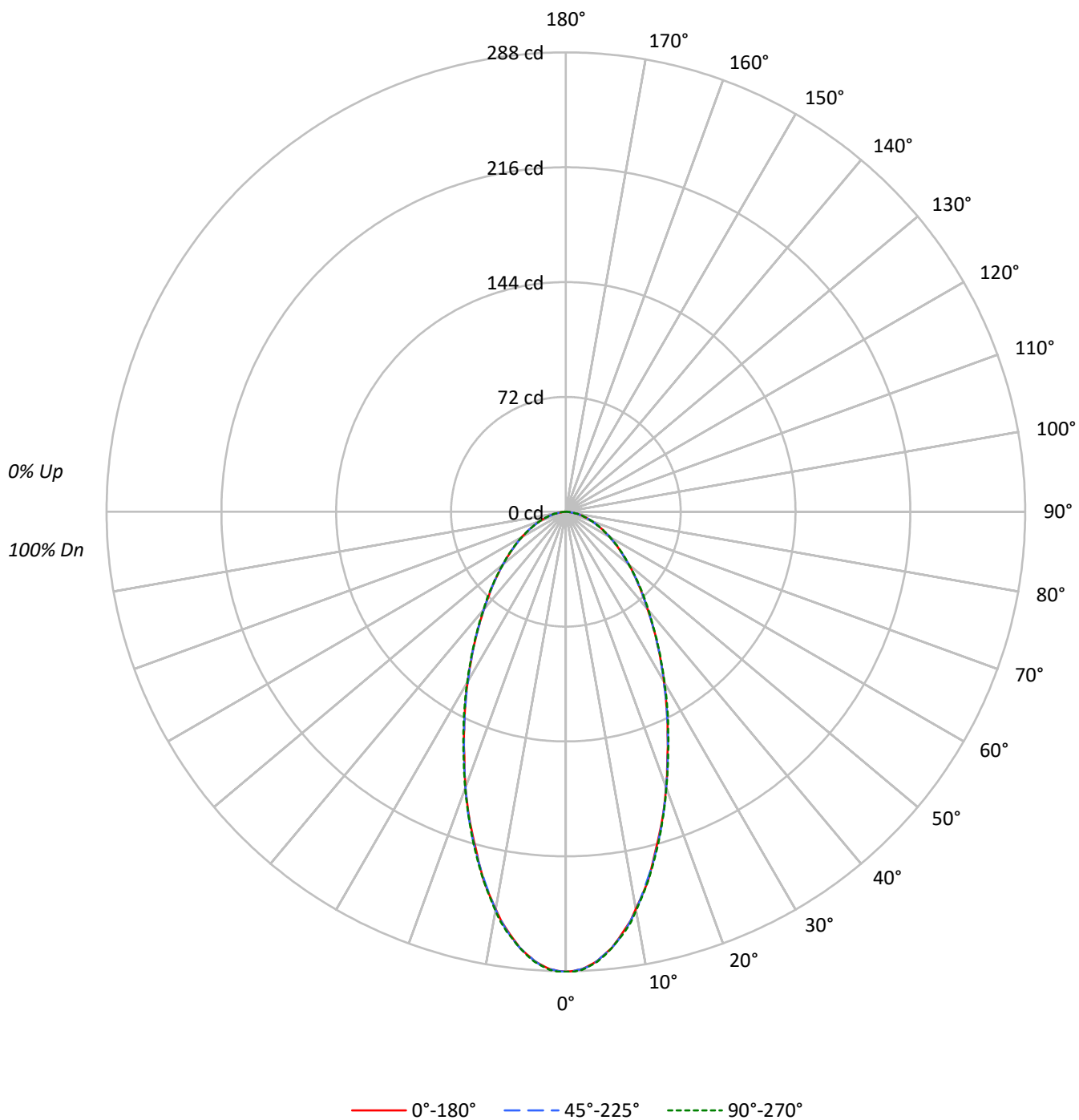
Lumens per Lamp: N/A
Luminaire Lumens: 345.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308776

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308776

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPHLD1MW

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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49669	49669	49669
5°	48165	48165	48268
10°	44227	44314	44402
15°	38940	39119	39208
20°	33704	33704	33796
25°	28675	28675	28865
30°	24480	24381	24580
35°	20898	20898	21003
40°	17941	17941	18076
45°	15685	15685	15807
50°	13798	13798	13798
55°	12221	12221	12371
60°	10988	10988	10988
65°	9862	9862	9862
70°	8812	8812	8812
75°	7852	7519	7852
80°	6645	6645	6645
85°	4150	4150	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 15807 cd/sqm

TEST NUMBER: P1308776

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	7.5
10°-20°	61.1	17.7
20°-30°	69.5	20.2
30°-40°	62.4	18.1
40°-50°	50.0	14.5
50°-60°	36.8	10.7
60°-70°	24.0	7.0
70°-80°	12.4	3.6
80°-90°	2.9	0.8
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°	156.4	45.3
0°-40°	218.8	63.4
0°-60°	305.6	88.6
0°-90°	345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	288	288	288	288	288	
5°	279	279	279	279	279	26
15°	218	218	219	219	220	61
25°	151	151	151	151	152	69
35°	99	99	99	99	100	62
45°	64	64	64	64	65	50
55°	41	41	41	41	41	37
65°	24	24	24	24	24	24
75°	12	11	11	12	12	13
85°	2	2	2	3	3	3
90°	0	0	0	0	0	

TEST NUMBER: P1308776

CATALOG NUMBER: P3SQAS05R209035DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	288.4	288.4	288.4	288.4	288.4
1°	287.9	287.4	287.9	287.9	288.4
2°	286.9	286.9	286.9	286.4	287.4
3°	284.8	284.8	285.3	284.8	285.3
4°	282.3	282.3	282.3	281.7	282.8
5°	278.6	278.6	278.6	278.6	279.2
6°	275.0	274.5	275.0	274.5	275.0
7°	269.9	269.9	270.4	269.9	270.4
8°	264.7	264.2	265.3	264.7	265.8
9°	259.6	259.1	259.6	259.1	260.6
10°	252.9	253.4	253.4	253.4	253.9
12.5°	237.4	236.4	236.4	236.4	237.4
15°	218.4	218.4	219.4	219.4	219.9
17.5°	201.4	200.9	201.9	201.9	201.9
20°	183.9	183.4	183.9	183.9	184.4
22.5°	166.4	166.9	166.9	166.9	167.4
25°	150.9	150.9	150.9	151.4	151.9
27.5°	136.5	136.0	136.5	137.0	137.5
30°	123.1	122.6	122.6	123.1	123.6
32.5°	110.7	110.2	110.7	110.7	111.3
35°	99.4	99.4	99.4	99.4	99.9
37.5°	89.1	89.1	89.1	89.6	89.6
40°	79.8	79.8	79.8	80.4	80.4
42.5°	71.6	71.6	71.6	72.1	72.6
45°	64.4	64.4	64.4	64.4	64.9
47.5°	57.7	57.7	57.7	58.2	58.2
50°	51.5	51.0	51.5	52.0	51.5
52.5°	45.8	45.8	45.8	45.8	46.4
55°	40.7	40.7	40.7	40.7	41.2
57.5°	36.1	36.1	36.1	36.6	36.6
60°	31.9	31.9	31.9	31.9	31.9
62.5°	27.8	27.8	27.8	27.8	27.8
65°	24.2	23.7	24.2	24.2	24.2
67.5°	20.6	20.6	20.6	20.6	20.6
70°	17.5	17.5	17.5	17.5	17.5
72.5°	14.4	14.4	14.4	14.4	14.4
75°	11.8	11.3	11.3	11.8	11.8
77.5°	9.3	8.8	9.3	9.3	9.3
80°	6.7	6.7	6.7	6.7	6.7
82.5°	4.1	4.1	4.1	4.6	4.6
85°	2.1	2.1	2.1	2.6	2.6
87.5°	0.5	0.5	0.5	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)