

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: P1308594

Luminaire Tested: P3SQAS02R159035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

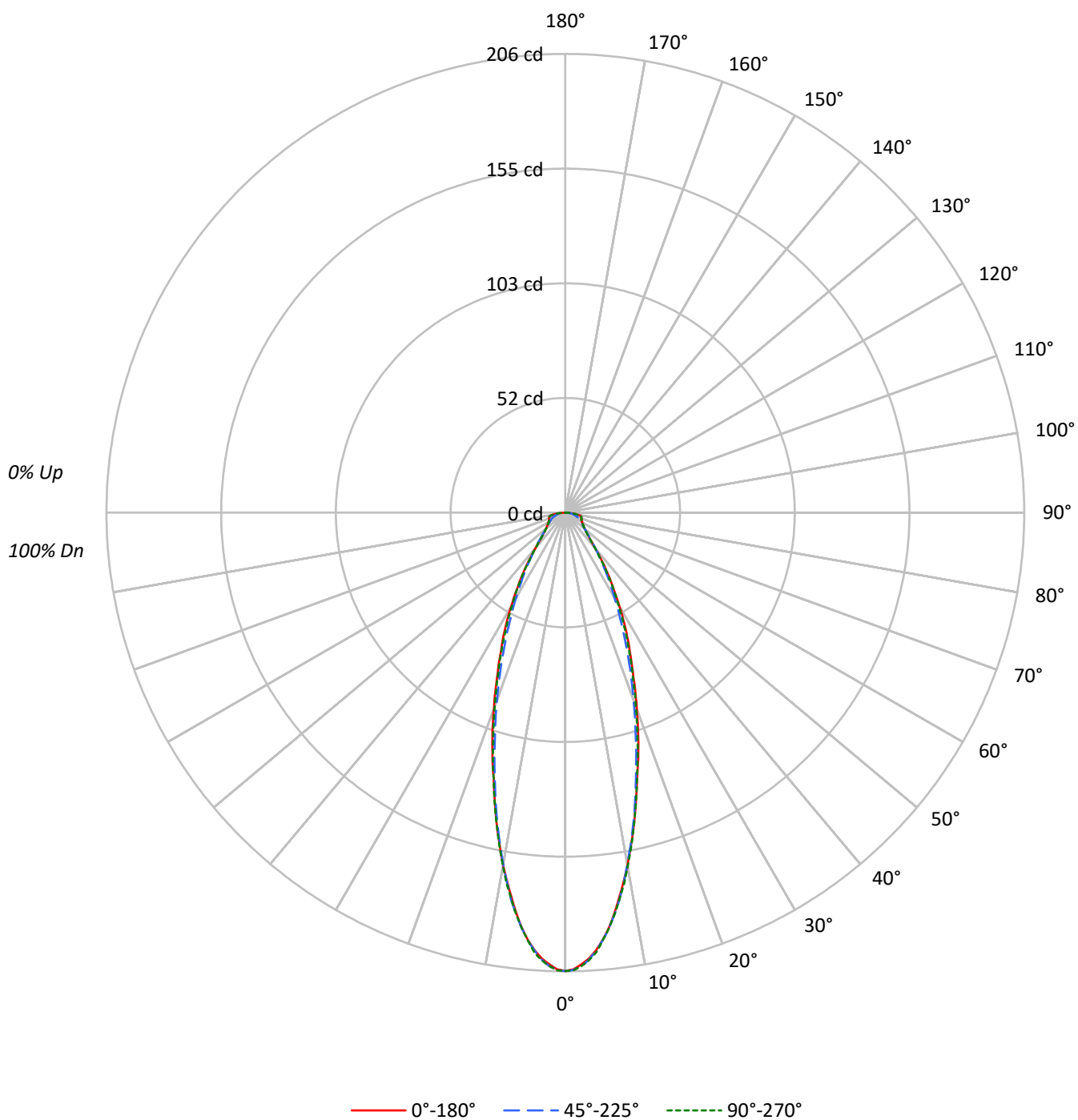
Lumens per Lamp: N/A
Luminaire Lumens: 138.1 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308594

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308594

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHLP1MW

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	75		81
4	92	83	76	71	90	82	76	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	66	57	51	46	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35461	35461	35461
5°	33297	33331	33331
10°	28121	28033	28208
15°	22127	21806	22162
20°	17191	16403	16953
25°	12979	12067	12789
30°	9645	8810	9446
35°	6896	6412	6791
40°	4676	4721	4609
45°	3483	3653	3483
50°	3028	3028	3028
55°	2943	2792	2943
60°	3031	2756	2928
65°	3260	2853	3260
70°	3928	2921	3928
75°	4991	2994	4991
80°	6248	3273	5951
85°	4940	2964	5533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 6248 cd/sqm

TEST NUMBER: P1308594

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	12.6
10°-20°	34.3	24.9
20°-30°	30.3	22.0
30°-40°	19.9	14.4
40°-50°	11.7	8.4
50°-60°	8.6	6.2
60°-70°	7.3	5.3
70°-80°	6.0	4.4
80°-90°	2.5	1.8
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°	82.0	59.4
0°-40°	101.9	73.8
0°-60°	122.2	88.5
0°-90°	138.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	138.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	206	206	206	206	206	
5°	193	193	193	193	193	17
15°	124	124	122	124	124	35
25°	68	66	64	65	67	32
35°	33	32	30	31	32	21
45°	14	14	15	14	14	11
55°	10	10	9	10	10	9
65°	8	7	7	7	8	8
75°	8	6	4	6	8	8
85°	2	3	2	2	3	3
90°	0	0	0	0	0	

TEST NUMBER: P1308594

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	205.9	205.9	205.9	205.9	205.9
1°	205.1	205.4	205.4	205.6	205.6
2°	203.1	203.6	203.9	203.9	203.9
3°	200.6	200.9	201.1	201.4	201.4
4°	197.1	197.3	197.3	197.9	198.1
5°	192.6	192.6	192.8	193.1	192.8
6°	187.3	187.3	187.6	187.6	187.6
7°	181.1	181.3	181.6	181.8	181.6
8°	174.3	174.6	175.3	175.3	175.1
9°	167.6	167.8	167.8	168.6	168.6
10°	160.8	160.8	160.3	160.8	161.3
12.5°	142.6	142.3	141.6	142.3	142.8
15°	124.1	124.1	122.3	123.8	124.3
17.5°	109.1	106.8	105.1	106.6	107.8
20°	93.8	91.5	89.5	91.0	92.5
22.5°	80.0	78.3	75.8	77.3	79.0
25°	68.3	66.0	63.5	65.3	67.3
27.5°	58.5	55.5	53.0	55.0	56.8
30°	48.5	46.5	44.3	45.8	47.5
32.5°	40.0	38.5	36.8	38.0	39.5
35°	32.8	31.5	30.5	31.3	32.3
37.5°	26.3	25.8	25.3	25.5	25.5
40°	20.8	21.0	21.0	21.0	20.5
42.5°	17.0	17.3	17.8	17.3	17.0
45°	14.3	14.5	15.0	14.5	14.3
47.5°	12.5	12.8	13.0	12.5	12.5
50°	11.3	11.3	11.3	11.3	11.3
52.5°	10.5	10.3	10.3	10.3	10.5
55°	9.8	9.5	9.3	9.5	9.8
57.5°	9.0	8.8	8.5	8.8	9.0
60°	8.8	8.3	8.0	8.3	8.5
62.5°	8.3	7.8	7.5	7.8	8.3
65°	8.0	7.3	7.0	7.3	8.0
67.5°	7.8	6.8	6.3	6.8	7.8
70°	7.8	6.3	5.8	6.5	7.8
72.5°	7.5	6.0	5.0	6.0	7.5
75°	7.5	5.5	4.5	5.8	7.5
77.5°	7.0	5.0	3.8	5.3	7.0
80°	6.3	4.5	3.3	4.8	6.0
82.5°	4.5	3.8	2.5	3.8	4.5
85°	2.5	2.8	1.5	2.5	2.8
87.5°	0.3	0.8	0.5	1.5	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)