

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: P1317532

Luminaire Tested: P3SQAS02R209835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317532
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

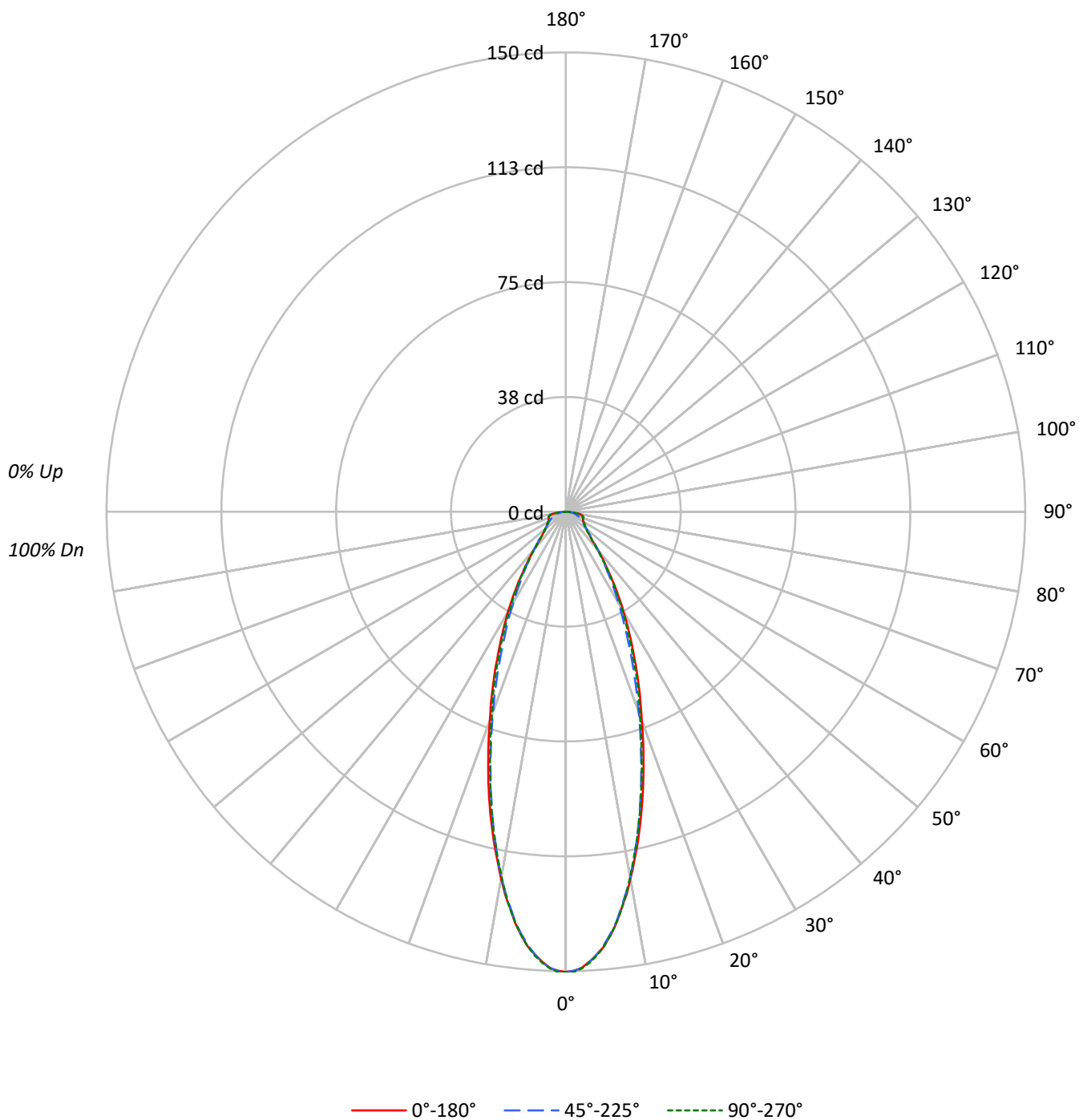
Lumens per Lamp: N/A
Luminaire Lumens: 106.0 lumens
Efficiency: N/A
Efficacy: 29.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317532

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317532

CATALOG NUMBER: P3SQAS02R209835DE010 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	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25885	25885	25885
5°	24635	24566	24635
10°	21265	21195	21160
15°	17259	16849	16920
20°	13287	12719	12958
25°	10090	9349	9824
30°	7497	6821	7278
35°	5298	4941	5214
40°	3642	3642	3575
45°	2679	2825	2679
50°	2358	2358	2358
55°	2252	2192	2252
60°	2308	2136	2308
65°	2527	2119	2527
70°	3021	2165	3021
75°	3859	2329	3859
80°	4761	2380	4661
85°	3754	2174	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 4761 cd/sqm

TEST NUMBER: P1317532

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.9	12.2
10°-20°	26.3	24.8
20°-30°	23.5	22.2
30°-40°	15.4	14.6
40°-50°	9.0	8.5
50°-60°	6.7	6.3
60°-70°	5.6	5.3
70°-80°	4.6	4.4
80°-90°	1.9	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°	62.7	59.2
0°-40°	78.2	73.7
0°-60°	93.8	88.5
0°-90°	106.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	106.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	150	150	150	150	150	
5°	142	142	142	142	142	13
15°	97	96	94	95	95	27
25°	53	52	49	50	52	24
35°	25	24	24	24	25	16
45°	11	11	12	11	11	9
55°	8	7	7	7	8	7
65°	6	6	5	6	6	6
75°	6	4	4	4	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1317532

CATALOG NUMBER: P3SQAS02R209835DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	150.3	150.3	150.3	150.3	150.3
1°	149.9	150.1	149.9	150.1	150.3
2°	149.0	149.2	149.0	149.0	149.2
3°	147.1	147.3	147.3	147.3	147.5
4°	144.9	145.1	144.9	145.1	145.3
5°	142.5	142.3	142.1	142.3	142.5
6°	139.1	138.9	138.7	138.9	139.1
7°	135.4	135.2	135.0	135.0	135.2
8°	130.7	130.9	130.4	130.7	130.9
9°	126.6	126.3	125.9	125.9	126.3
10°	121.6	121.2	121.2	121.0	121.0
12.5°	109.3	108.5	108.0	108.0	108.2
15°	96.8	95.9	94.5	94.7	94.9
17.5°	84.3	83.2	81.5	81.9	82.2
20°	72.5	71.4	69.4	70.1	70.7
22.5°	62.5	60.8	58.9	59.5	61.4
25°	53.1	51.7	49.2	50.5	51.7
27.5°	44.9	43.3	41.2	42.5	43.6
30°	37.7	36.2	34.3	35.4	36.6
32.5°	31.1	29.8	28.5	29.3	30.2
35°	25.2	24.4	23.5	24.2	24.8
37.5°	20.3	20.0	19.6	20.0	19.8
40°	16.2	16.4	16.2	16.2	15.9
42.5°	12.9	13.4	13.6	13.2	12.9
45°	11.0	11.2	11.6	11.2	11.0
47.5°	9.7	9.7	9.9	9.7	9.5
50°	8.8	8.8	8.8	8.8	8.8
52.5°	8.0	8.0	7.8	8.0	8.0
55°	7.5	7.3	7.3	7.3	7.5
57.5°	7.1	6.9	6.7	6.9	7.1
60°	6.7	6.3	6.2	6.3	6.7
62.5°	6.3	6.0	5.8	6.0	6.3
65°	6.2	5.6	5.2	5.6	6.2
67.5°	6.0	5.2	4.8	5.2	6.2
70°	6.0	4.8	4.3	5.0	6.0
72.5°	5.8	4.7	3.9	4.7	5.8
75°	5.8	4.3	3.5	4.3	5.8
77.5°	5.4	3.9	3.0	3.9	5.4
80°	4.8	3.5	2.4	3.5	4.7
82.5°	3.5	3.0	1.9	3.0	3.5
85°	1.9	2.1	1.1	2.1	2.1
87.5°	0.2	0.7	0.4	1.1	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)