

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: P1317970

Luminaire Tested: P3SQAS13R209835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317970
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: P3SQAS13R209835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

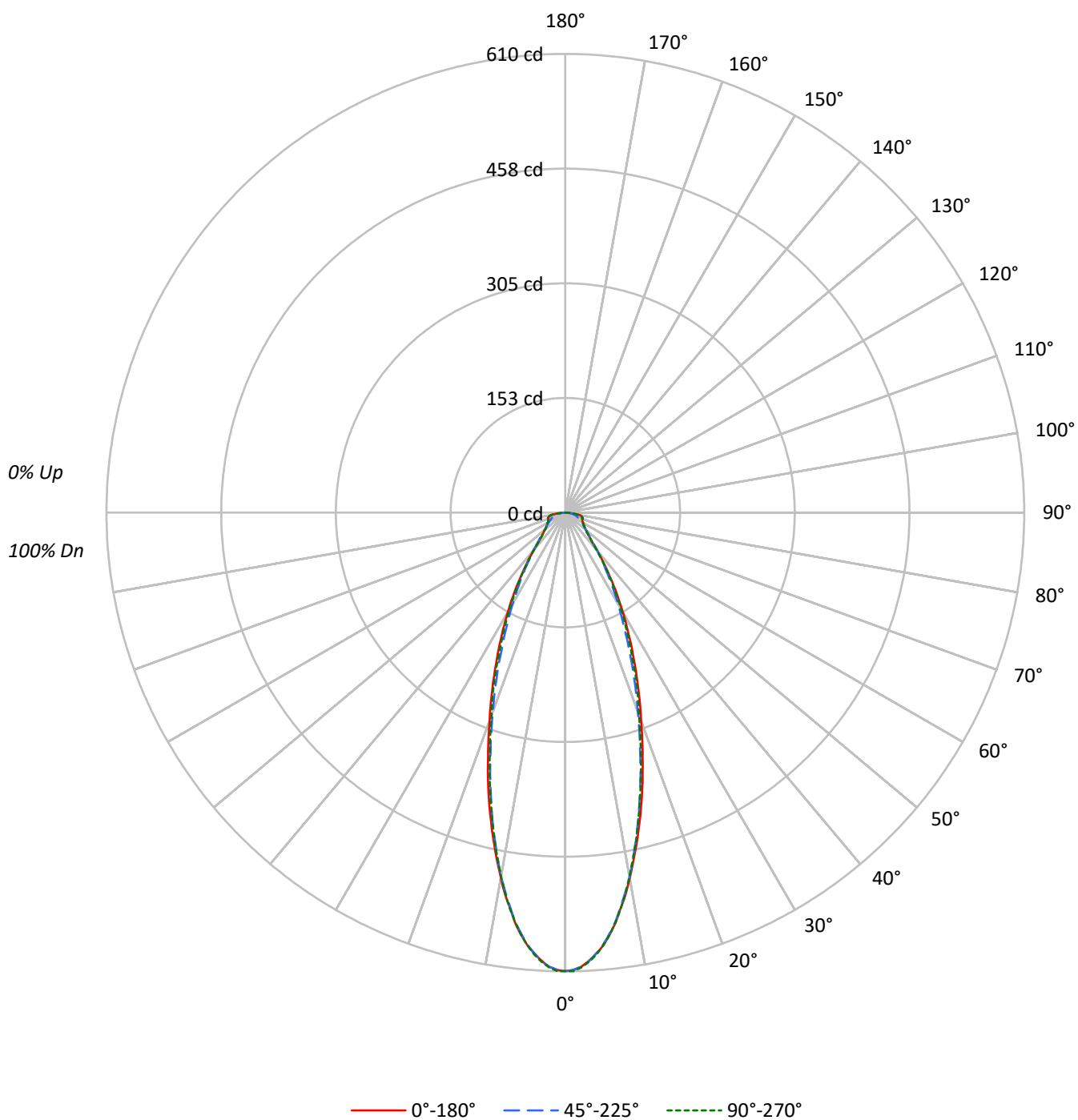
Lumens per Lamp: N/A
Luminaire Lumens: 430.0 lumens
Efficiency: N/A
Efficacy: 29.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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Luminous Intensity Polar Plot



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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	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°	105004	105004	105004
5°	99925	99666	99925
10°	86251	85988	85866
15°	70000	68377	68663
20°	53938	51574	52545
25°	40970	37948	39811
30°	30387	27682	29492
35°	21466	20036	21151
40°	14793	14793	14456
45°	10863	11423	10863
50°	9538	9538	9538
55°	9098	8858	9098
60°	9369	8611	9369
65°	10188	8639	10188
70°	12186	8762	12186
75°	15637	9582	15637
80°	19538	9720	18745
85°	15018	8892	16401

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 19538 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	12.2
10°-20°	106.8	24.8
20°-30°	95.4	22.2
30°-40°	62.6	14.6
40°-50°	36.4	8.5
50°-60°	27.0	6.3
60°-70°	22.8	5.3
70°-80°	18.9	4.4
80°-90°	7.9	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°	254.5	59.2
0°-40°	317.1	73.7
0°-60°	380.5	88.5
0°-90°	430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	430.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	578	577	576	577	578	52
15°	393	389	384	384	385	108
25°	216	210	200	205	210	99
35°	102	99	95	98	101	65
45°	45	45	47	45	45	36
55°	30	30	30	30	30	27
65°	25	23	21	23	25	25
75°	24	17	14	17	24	24
85°	8	8	4	8	8	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	609.7	609.7	609.7	609.7	609.7
1°	608.2	609.0	608.2	609.0	609.7
2°	604.4	605.2	604.4	604.4	605.2
3°	596.9	597.6	597.6	597.6	598.4
4°	587.8	588.6	587.8	588.6	589.3
5°	578.0	577.2	576.5	577.2	578.0
6°	564.3	563.6	562.8	563.6	564.3
7°	549.2	548.5	547.7	547.7	548.5
8°	530.3	531.1	528.8	530.3	531.1
9°	513.7	512.1	510.6	510.6	512.1
10°	493.2	491.7	491.7	491.0	491.0
12.5°	443.3	440.3	438.0	438.0	438.8
15°	392.6	388.8	383.5	384.3	385.1
17.5°	341.9	337.4	330.6	332.1	333.6
20°	294.3	289.7	281.4	284.4	286.7
22.5°	253.4	246.6	239.1	241.3	248.9
25°	215.6	209.5	199.7	205.0	209.5
27.5°	182.3	175.5	167.2	172.5	177.0
30°	152.8	146.8	139.2	143.7	148.3
32.5°	126.3	121.0	115.7	118.8	122.6
35°	102.1	99.1	95.3	98.3	100.6
37.5°	82.5	80.9	79.4	80.9	80.2
40°	65.8	66.6	65.8	65.8	64.3
42.5°	52.2	54.5	55.2	53.7	52.2
45°	44.6	45.4	46.9	45.4	44.6
47.5°	39.3	39.3	40.1	39.3	38.6
50°	35.6	35.6	35.6	35.6	35.6
52.5°	32.5	32.5	31.8	32.5	32.5
55°	30.3	29.5	29.5	29.5	30.3
57.5°	28.7	28.0	27.2	28.0	28.7
60°	27.2	25.7	25.0	25.7	27.2
62.5°	25.7	24.2	23.5	24.2	25.7
65°	25.0	22.7	21.2	22.7	25.0
67.5°	24.2	21.2	19.7	21.2	25.0
70°	24.2	19.7	17.4	20.4	24.2
72.5°	23.5	18.9	15.9	18.9	23.5
75°	23.5	17.4	14.4	17.4	23.5
77.5°	21.9	15.9	12.1	15.9	21.9
80°	19.7	14.4	9.8	14.4	18.9
82.5°	14.4	12.1	7.6	12.1	14.4
85°	7.6	8.3	4.5	8.3	8.3
87.5°	0.8	3.0	1.5	4.5	3.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)