

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: P1317824

Luminaire Tested: P3SQAS09R209835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317824
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: P3SQAS09R209835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

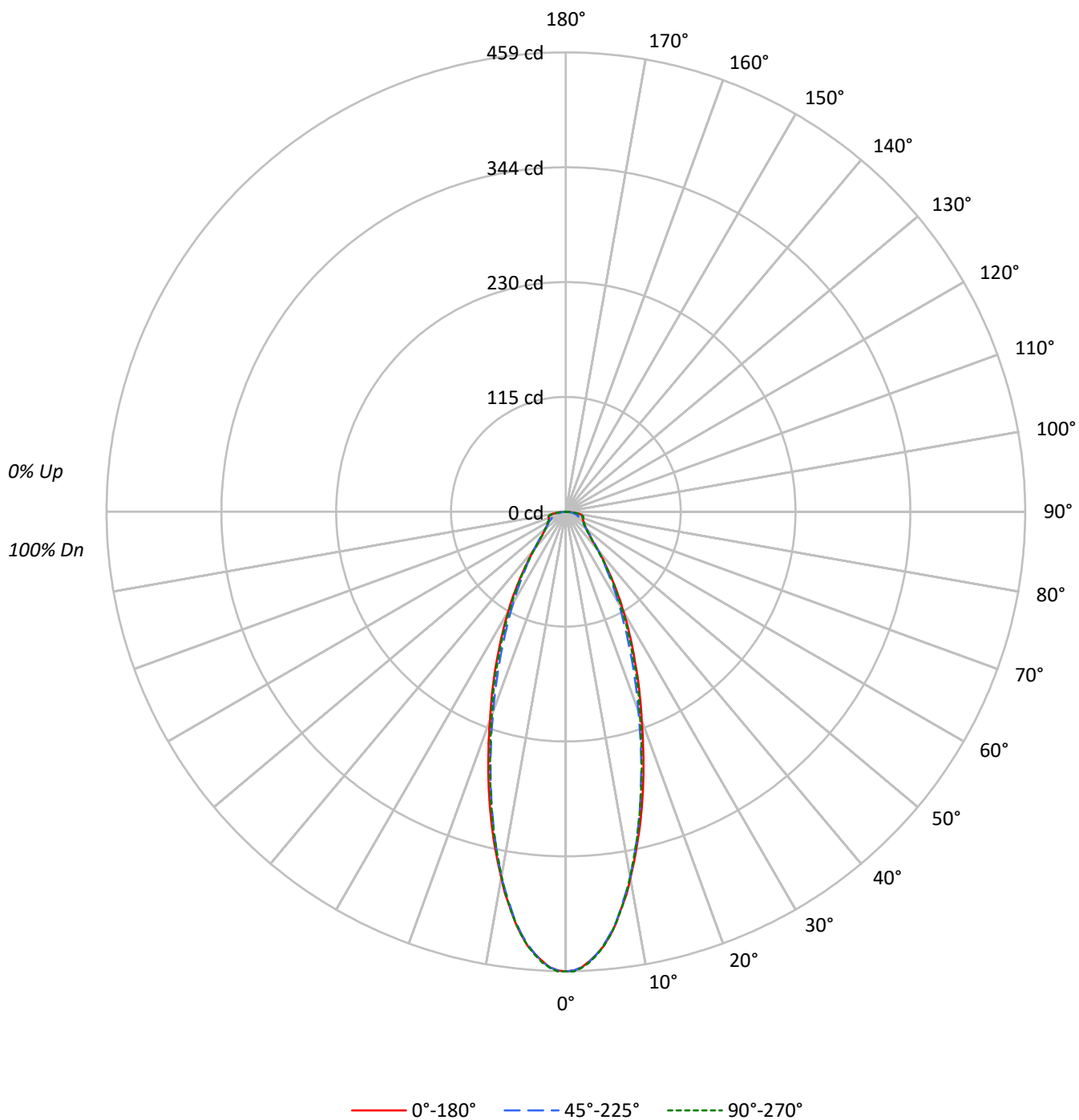
Lumens per Lamp: N/A
Luminaire Lumens: 324.0 lumens
Efficiency: N/A
Efficacy: 29.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79119	79119	79119
5°	75289	75082	75289
10°	64985	64793	64688
15°	52741	51528	51724
20°	40632	38854	39588
25°	30879	28599	30005
30°	22889	20861	22213
35°	16189	15096	15937
40°	11151	11151	10904
45°	8184	8598	8184
50°	7181	7181	7181
55°	6846	6666	6846
60°	7061	6476	7061
65°	7661	6520	7661
70°	9165	6596	9165
75°	11778	7187	11778
80°	14679	7339	14183
85°	11263	6719	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 14679 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.4	12.2
10°-20°	80.5	24.8
20°-30°	71.9	22.2
30°-40°	47.2	14.6
40°-50°	27.4	8.5
50°-60°	20.3	6.3
60°-70°	17.2	5.3
70°-80°	14.2	4.4
80°-90°	5.9	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°	191.8	59.2
0°-40°	238.9	73.7
0°-60°	286.7	88.5
0°-90°	324.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	459	459	459	459	459	
5°	436	435	434	435	436	39
15°	296	293	289	290	290	82
25°	162	158	150	154	158	75
35°	77	75	72	74	76	49
45°	34	34	35	34	34	27
55°	23	22	22	22	23	21
65°	19	17	16	17	19	19
75°	18	13	11	13	18	18
85°	6	6	3	6	6	7
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	459.4	459.4	459.4	459.4	459.4
1°	458.3	458.9	458.3	458.9	459.4
2°	455.4	456.0	455.4	455.4	456.0
3°	449.7	450.3	450.3	450.3	450.9
4°	442.9	443.5	442.9	443.5	444.0
5°	435.5	434.9	434.3	434.9	435.5
6°	425.2	424.7	424.1	424.7	425.2
7°	413.8	413.3	412.7	412.7	413.3
8°	399.6	400.1	398.4	399.6	400.1
9°	387.0	385.9	384.8	384.8	385.9
10°	371.6	370.5	370.5	369.9	369.9
12.5°	334.0	331.7	330.0	330.0	330.6
15°	295.8	293.0	289.0	289.6	290.1
17.5°	257.6	254.2	249.1	250.2	251.4
20°	221.7	218.3	212.0	214.3	216.0
22.5°	191.0	185.8	180.1	181.8	187.5
25°	162.5	157.9	150.5	154.5	157.9
27.5°	137.4	132.2	126.0	130.0	133.4
30°	115.1	110.6	104.9	108.3	111.7
32.5°	95.2	91.2	87.2	89.5	92.3
35°	77.0	74.7	71.8	74.1	75.8
37.5°	62.1	61.0	59.9	61.0	60.4
40°	49.6	50.2	49.6	49.6	48.5
42.5°	39.3	41.0	41.6	40.5	39.3
45°	33.6	34.2	35.3	34.2	33.6
47.5°	29.6	29.6	30.2	29.6	29.1
50°	26.8	26.8	26.8	26.8	26.8
52.5°	24.5	24.5	23.9	24.5	24.5
55°	22.8	22.2	22.2	22.2	22.8
57.5°	21.7	21.1	20.5	21.1	21.7
60°	20.5	19.4	18.8	19.4	20.5
62.5°	19.4	18.2	17.7	18.2	19.4
65°	18.8	17.1	16.0	17.1	18.8
67.5°	18.2	16.0	14.8	16.0	18.8
70°	18.2	14.8	13.1	15.4	18.2
72.5°	17.7	14.3	12.0	14.3	17.7
75°	17.7	13.1	10.8	13.1	17.7
77.5°	16.5	12.0	9.1	12.0	16.5
80°	14.8	10.8	7.4	10.8	14.3
82.5°	10.8	9.1	5.7	9.1	10.8
85°	5.7	6.3	3.4	6.3	6.3
87.5°	0.6	2.3	1.1	3.4	2.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)