

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: P1305894

Luminaire Tested: P3SQAS13R209024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305894
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: P3SQAS13R209024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

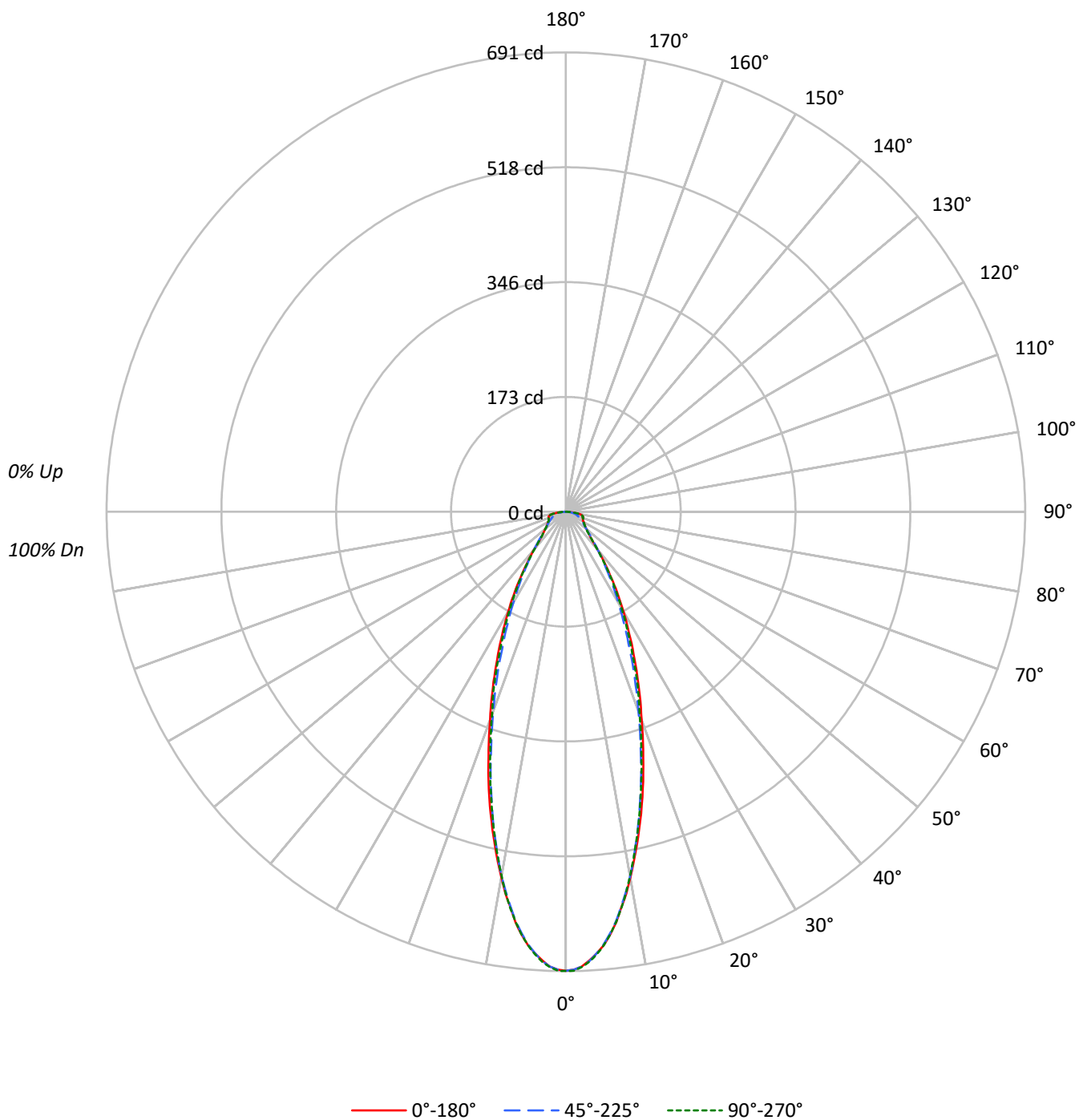
Lumens per Lamp: N/A
Luminaire Lumens: 487.0 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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		58	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°	118937	118937	118937
5°	113168	112874	113168
10°	97688	97390	97233
15°	79289	77453	77756
20°	61086	58410	59510
25°	46405	42984	45093
30°	34424	31341	33390
35°	24325	22706	23968
40°	16749	16749	16367
45°	12300	12933	12300
50°	10798	10798	10798
55°	10299	10029	10299
60°	10609	9748	10609
65°	11533	9780	11533
70°	13797	9920	13797
75°	17700	10846	17700
80°	22117	11009	21224
85°	16994	10078	18575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 22117 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	12.2
10°-20°	121.0	24.8
20°-30°	108.0	22.2
30°-40°	70.9	14.6
40°-50°	41.2	8.5
50°-60°	30.6	6.3
60°-70°	25.8	5.3
70°-80°	21.3	4.4
80°-90°	8.9	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°	288.2	59.2
0°-40°	359.1	73.7
0°-60°	430.9	88.5
0°-90°	487.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	487.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	655	654	653	654	655	59
15°	445	440	434	435	436	123
25°	244	237	226	232	237	112
35°	116	112	108	111	114	74
45°	50	51	53	51	50	41
55°	34	33	33	33	34	31
65°	28	26	24	26	28	28
75°	27	20	16	20	27	27
85°	9	9	5	9	9	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.6	690.6	690.6	690.6	690.6
1°	688.8	689.7	688.8	689.7	690.6
2°	684.6	685.4	684.6	684.6	685.4
3°	676.0	676.9	676.9	676.9	677.7
4°	665.7	666.6	665.7	666.6	667.4
5°	654.6	653.7	652.9	653.7	654.6
6°	639.2	638.3	637.4	638.3	639.2
7°	622.0	621.2	620.3	620.3	621.2
8°	600.6	601.5	598.9	600.6	601.5
9°	581.8	580.0	578.3	578.3	580.0
10°	558.6	556.9	556.9	556.0	556.0
12.5°	502.1	498.6	496.1	496.1	496.9
15°	444.7	440.4	434.4	435.2	436.1
17.5°	387.3	382.1	374.4	376.1	377.8
20°	333.3	328.1	318.7	322.1	324.7
22.5°	287.0	279.3	270.7	273.3	281.9
25°	244.2	237.3	226.2	232.2	237.3
27.5°	206.5	198.8	189.3	195.3	200.5
30°	173.1	166.2	157.6	162.8	167.9
32.5°	143.1	137.1	131.1	134.5	138.8
35°	115.7	112.2	108.0	111.4	114.0
37.5°	93.4	91.7	90.0	91.7	90.8
40°	74.5	75.4	74.5	74.5	72.8
42.5°	59.1	61.7	62.5	60.8	59.1
45°	50.5	51.4	53.1	51.4	50.5
47.5°	44.6	44.6	45.4	44.6	43.7
50°	40.3	40.3	40.3	40.3	40.3
52.5°	36.8	36.8	36.0	36.8	36.8
55°	34.3	33.4	33.4	33.4	34.3
57.5°	32.6	31.7	30.8	31.7	32.6
60°	30.8	29.1	28.3	29.1	30.8
62.5°	29.1	27.4	26.6	27.4	29.1
65°	28.3	25.7	24.0	25.7	28.3
67.5°	27.4	24.0	22.3	24.0	28.3
70°	27.4	22.3	19.7	23.1	27.4
72.5°	26.6	21.4	18.0	21.4	26.6
75°	26.6	19.7	16.3	19.7	26.6
77.5°	24.8	18.0	13.7	18.0	24.8
80°	22.3	16.3	11.1	16.3	21.4
82.5°	16.3	13.7	8.6	13.7	16.3
85°	8.6	9.4	5.1	9.4	9.4
87.5°	0.9	3.4	1.7	5.1	4.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)