

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: P1311922

Luminaire Tested: P3SQAS02R209727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311922
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: P3SQAS02R209727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

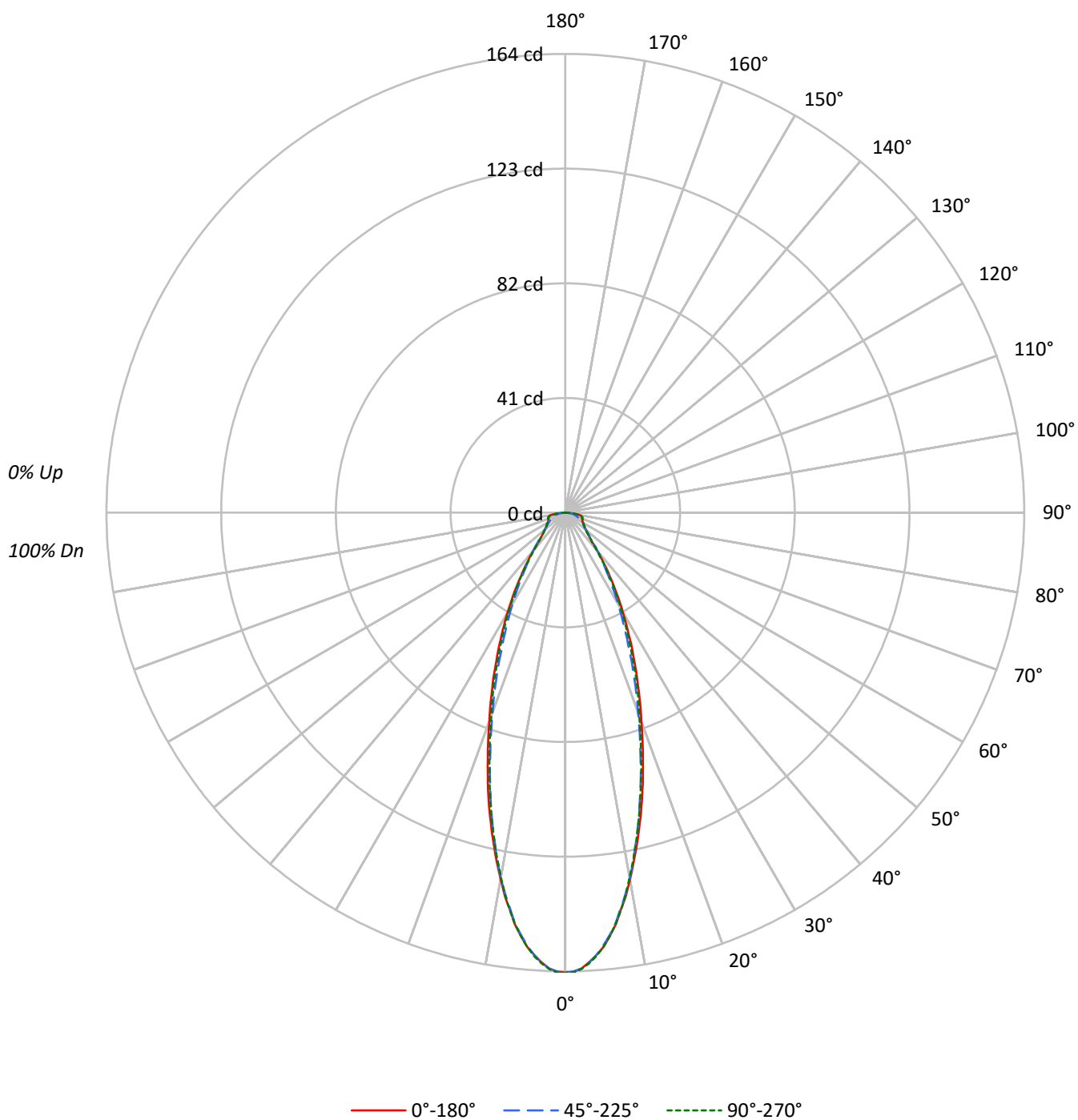
Lumens per Lamp: N/A
Luminaire Lumens: 116.0 lumens
Efficiency: N/A
Efficacy: 32.2 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	64		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	51	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28331	28331	28331
5°	26952	26883	26952
10°	23276	23207	23154
15°	18882	18454	18525
20°	14552	13911	14167
25°	11060	10242	10737
30°	8193	7477	7955
35°	5803	5403	5698
40°	4002	4002	3889
45°	2923	3093	2923
50°	2572	2572	2572
55°	2462	2402	2462
60°	2514	2308	2514
65°	2730	2323	2730
70°	3273	2367	3273
75°	4192	2595	4192
80°	5256	2678	5058
85°	3952	2371	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5256 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.1	12.2
10°-20°	28.8	24.8
20°-30°	25.7	22.2
30°-40°	16.9	14.6
40°-50°	9.8	8.5
50°-60°	7.3	6.3
60°-70°	6.1	5.3
70°-80°	5.1	4.4
80°-90°	2.1	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°	68.7	59.2
0°-40°	85.5	73.7
0°-60°	102.7	88.5
0°-90°	116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	164	164	164	164	164	
5°	156	156	156	156	156	14
15°	106	105	104	104	104	29
25°	58	56	54	55	56	27
35°	28	27	26	26	27	18
45°	12	12	13	12	12	10
55°	8	8	8	8	8	7
65°	7	6	6	6	7	7
75°	6	5	4	5	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	164.5	164.5	164.5	164.5	164.5
1°	164.1	164.3	164.1	164.3	164.5
2°	163.1	163.3	163.1	163.1	163.3
3°	161.0	161.2	161.2	161.2	161.4
4°	158.6	158.8	158.6	158.8	159.0
5°	155.9	155.7	155.5	155.7	155.9
6°	152.2	152.0	151.8	152.0	152.2
7°	148.2	148.0	147.8	147.8	148.0
8°	143.1	143.3	142.7	143.1	143.3
9°	138.6	138.2	137.8	137.8	138.2
10°	133.1	132.7	132.7	132.4	132.4
12.5°	119.6	118.8	118.2	118.2	118.4
15°	105.9	104.9	103.5	103.7	103.9
17.5°	92.2	91.0	89.2	89.6	90.0
20°	79.4	78.2	75.9	76.7	77.3
22.5°	68.4	66.5	64.5	65.1	67.1
25°	58.2	56.5	53.9	55.3	56.5
27.5°	49.2	47.3	45.1	46.5	47.8
30°	41.2	39.6	37.6	38.8	40.0
32.5°	34.1	32.7	31.2	32.0	33.1
35°	27.6	26.7	25.7	26.5	27.1
37.5°	22.2	21.8	21.4	21.8	21.6
40°	17.8	18.0	17.8	17.8	17.3
42.5°	14.1	14.7	14.9	14.5	14.1
45°	12.0	12.2	12.7	12.2	12.0
47.5°	10.6	10.6	10.8	10.6	10.4
50°	9.6	9.6	9.6	9.6	9.6
52.5°	8.8	8.8	8.6	8.8	8.8
55°	8.2	8.0	8.0	8.0	8.2
57.5°	7.8	7.6	7.3	7.6	7.8
60°	7.3	6.9	6.7	6.9	7.3
62.5°	6.9	6.5	6.3	6.5	6.9
65°	6.7	6.1	5.7	6.1	6.7
67.5°	6.5	5.7	5.3	5.7	6.7
70°	6.5	5.3	4.7	5.5	6.5
72.5°	6.3	5.1	4.3	5.1	6.3
75°	6.3	4.7	3.9	4.7	6.3
77.5°	5.9	4.3	3.3	4.3	5.9
80°	5.3	3.9	2.7	3.9	5.1
82.5°	3.9	3.3	2.0	3.3	3.9
85°	2.0	2.2	1.2	2.2	2.2
87.5°	0.2	0.8	0.4	1.2	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)