

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: P1313865

Luminaire Tested: P3SQAS02R209735DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313865
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209735DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

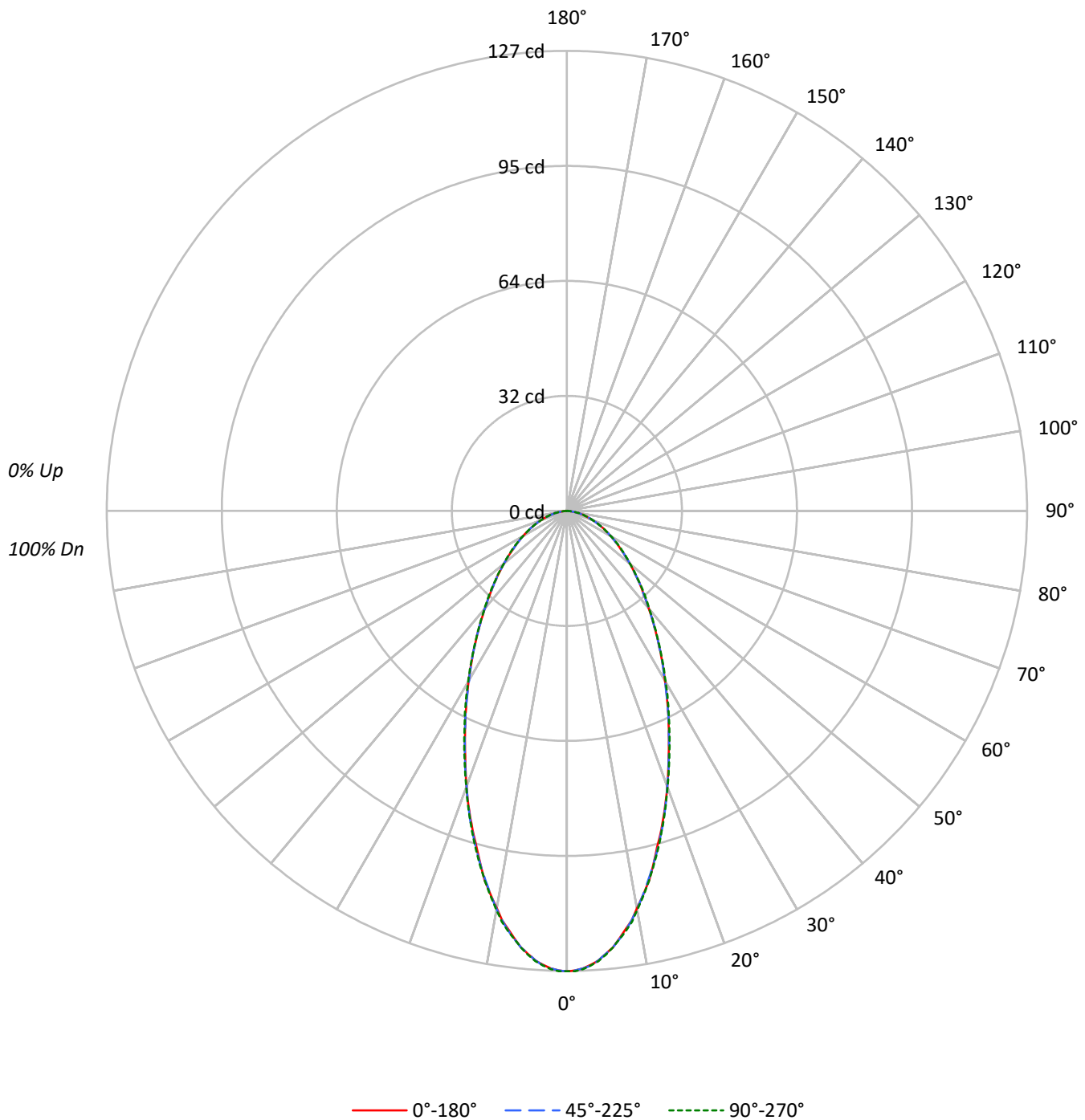
Lumens per Lamp: N/A
Luminaire Lumens: 152.0 lumens
Efficiency: N/A
Efficacy: 42.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	45	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21889	21889	21889
5°	21230	21230	21264
10°	19482	19517	19569
15°	17152	17241	17277
20°	14845	14845	14882
25°	12637	12637	12713
30°	10779	10739	10838
35°	9209	9209	9251
40°	7914	7914	7959
45°	6917	6917	6966
50°	6082	6082	6082
55°	5375	5375	5465
60°	4857	4857	4857
65°	4360	4360	4360
70°	3877	3877	3877
75°	3460	3327	3460
80°	2975	2975	2975
85°	1778	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	7.5
10°-20°	26.9	17.7
20°-30°	30.6	20.1
30°-40°	27.5	18.1
40°-50°	22.0	14.5
50°-60°	16.2	10.7
60°-70°	10.6	7.0
70°-80°	5.5	3.6
80°-90°	1.3	0.8
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°	68.9	45.3
0°-40°	96.4	63.4
0°-60°	134.7	88.6
0°-90°	152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	127	127	127	127	127	
5°	123	123	123	123	123	11
15°	96	96	97	97	97	27
25°	66	66	66	67	67	31
35°	44	44	44	44	44	28
45°	28	28	28	28	29	22
55°	18	18	18	18	18	16
65°	11	10	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	127.1	127.1	127.1	127.1	127.1
1°	126.9	126.6	126.9	126.9	127.1
2°	126.4	126.4	126.4	126.2	126.6
3°	125.5	125.5	125.7	125.5	125.7
4°	124.4	124.4	124.4	124.1	124.6
5°	122.8	122.8	122.8	122.8	123.0
6°	121.2	121.0	121.2	121.0	121.2
7°	118.9	118.9	119.1	118.9	119.1
8°	116.6	116.4	116.9	116.6	117.1
9°	114.4	114.1	114.4	114.1	114.8
10°	111.4	111.6	111.6	111.6	111.9
12.5°	104.6	104.2	104.2	104.2	104.6
15°	96.2	96.2	96.7	96.7	96.9
17.5°	88.7	88.5	89.0	89.0	89.0
20°	81.0	80.8	81.0	81.0	81.2
22.5°	73.3	73.5	73.5	73.5	73.8
25°	66.5	66.5	66.5	66.7	66.9
27.5°	60.1	59.9	60.1	60.4	60.6
30°	54.2	54.0	54.0	54.2	54.5
32.5°	48.8	48.6	48.8	48.8	49.0
35°	43.8	43.8	43.8	43.8	44.0
37.5°	39.3	39.3	39.3	39.5	39.5
40°	35.2	35.2	35.2	35.4	35.4
42.5°	31.5	31.5	31.5	31.8	32.0
45°	28.4	28.4	28.4	28.4	28.6
47.5°	25.4	25.4	25.4	25.6	25.6
50°	22.7	22.5	22.7	22.9	22.7
52.5°	20.2	20.2	20.2	20.2	20.4
55°	17.9	17.9	17.9	17.9	18.2
57.5°	15.9	15.9	15.9	16.1	16.1
60°	14.1	14.1	14.1	14.1	14.1
62.5°	12.3	12.3	12.3	12.3	12.3
65°	10.7	10.4	10.7	10.7	10.7
67.5°	9.1	9.1	9.1	9.1	9.1
70°	7.7	7.7	7.7	7.7	7.7
72.5°	6.4	6.4	6.4	6.4	6.4
75°	5.2	5.0	5.0	5.2	5.2
77.5°	4.1	3.9	4.1	4.1	4.1
80°	3.0	3.0	3.0	3.0	3.0
82.5°	1.8	1.8	1.8	2.0	2.0
85°	0.9	0.9	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)