

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: P1311289

Luminaire Tested: P3SQAS13R209050DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209050DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

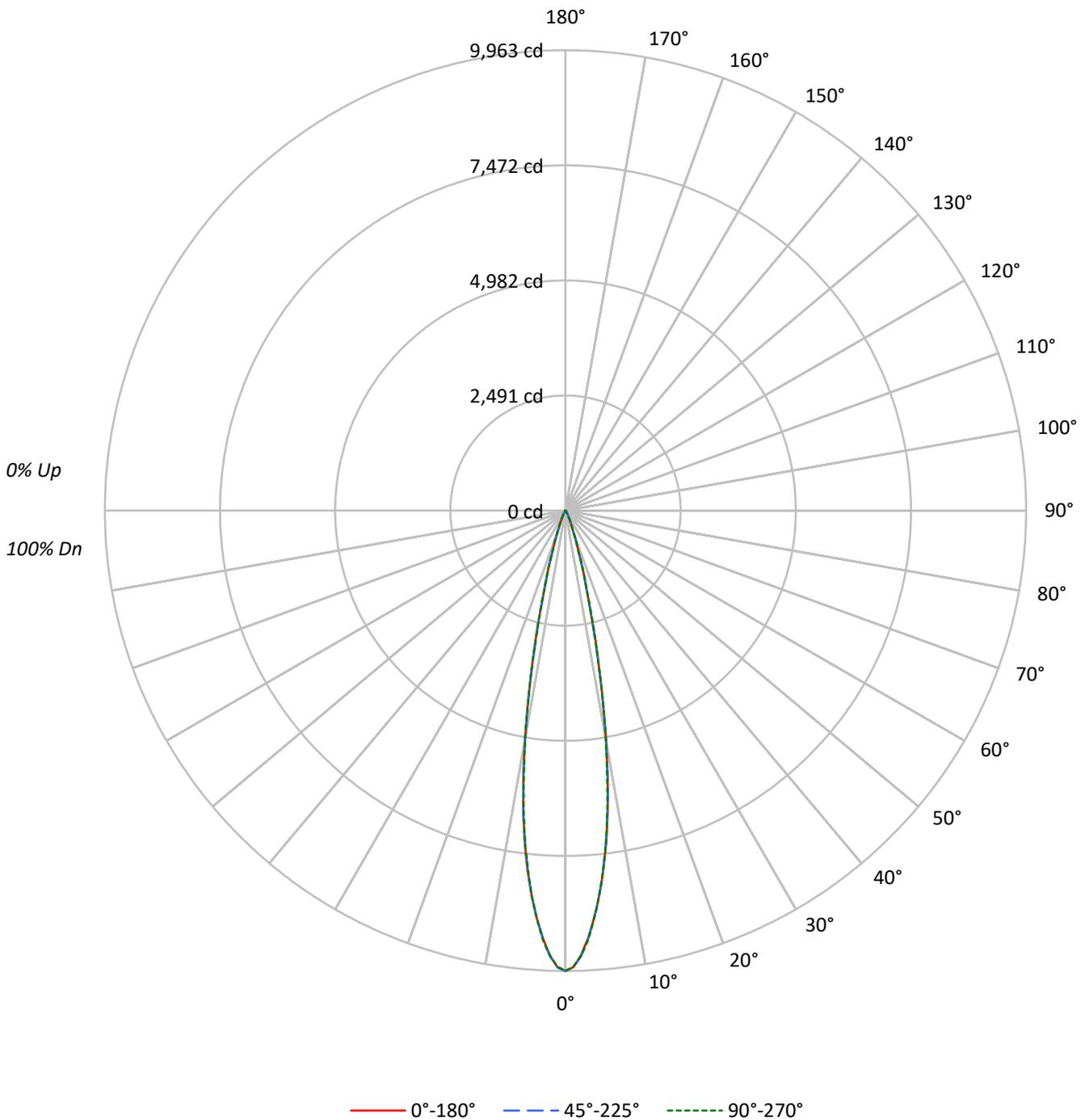
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1373.0 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
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 (A_{in}): 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		0	
RW	70	50	30	10	70	50	30	10	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	102	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1715906	1715906	1715906
5°	1446249	1446802	1446059
10°	881305	877230	879276
15°	310435	311754	321418
20°	97539	100270	98126
25°	36542	39963	37549
30°	14159	20066	14796
35°	5361	8935	5803
40°	2855	3822	2855
45°	1023	1802	1291
50°	563	857	563
55°	631	631	631
60°	379	379	379
65°	448	448	448
70°	554	554	554
75°	0	0	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1802 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	691.6	50.4
10°-20°	542.3	39.5
20°-30°	106.5	7.8
30°-40°	23.9	1.7
40°-50°	5.4	0.4
50°-60°	1.7	0.1
60°-70°	1.1	0.1
70°-80°	0.5	0.0
80°-90°	0.0	0.0
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°	1340.4	97.6
0°-40°	1364.3	99.4
0°-60°	1371.5	99.9
0°-90°	1373.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1373.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9963	9963	9963	9963	9963	
5°	8366	8373	8369	8398	8364	693
15°	1741	1748	1748	1787	1803	541
25°	192	205	210	207	198	101
35°	26	31	42	31	28	19
45°	4	6	7	6	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9963.3	9963.3	9963.3	9963.3	9963.3
1°	9882.6	9861.3	9885.7	9866.6	9870.9
2°	9626.5	9614.9	9646.7	9626.5	9637.2
3°	9270.7	9255.8	9279.2	9280.2	9310.0
4°	8845.8	8817.1	8852.1	8853.2	8858.5
5°	8365.6	8373.0	8368.8	8397.5	8364.5
6°	7825.9	7850.4	7818.5	7834.4	7788.8
7°	7222.6	7191.8	7175.8	7181.1	7213.0
8°	6556.5	6535.3	6558.6	6525.7	6503.4
9°	5816.1	5778.9	5804.4	5772.5	5740.7
10°	5039.5	5022.5	5016.2	4980.1	5027.9
11°	4260.9	4209.9	4235.4	4217.3	4269.4
12°	3532.1	3536.4	3486.5	3502.4	3508.8
13°	2874.6	2806.6	2815.1	2858.6	2866.1
14°	2229.8	2239.3	2242.5	2273.3	2291.4
15°	1741.1	1748.5	1748.5	1786.8	1802.7
17.5°	933.8	933.8	953.9	958.2	960.3
20°	532.2	535.4	547.1	546.0	535.4
22.5°	318.7	325.1	331.4	325.1	318.7
25°	192.3	205.0	210.3	207.1	197.6
27.5°	114.7	128.5	143.4	131.7	113.7
30°	71.2	78.6	100.9	80.7	74.4
32.5°	39.3	51.0	69.0	53.1	40.4
35°	25.5	30.8	42.5	30.8	27.6
37.5°	18.1	21.2	26.6	22.3	19.1
40°	12.7	14.9	17.0	15.9	12.7
42.5°	8.5	10.6	11.7	10.6	8.5
45°	4.2	6.4	7.4	6.4	5.3
47.5°	2.1	3.2	5.3	3.2	2.1
50°	2.1	2.1	3.2	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	1.1	2.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	1.1
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)