

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: P1317482

Luminaire Tested: P3SQAS20R609830D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317482
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609830D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

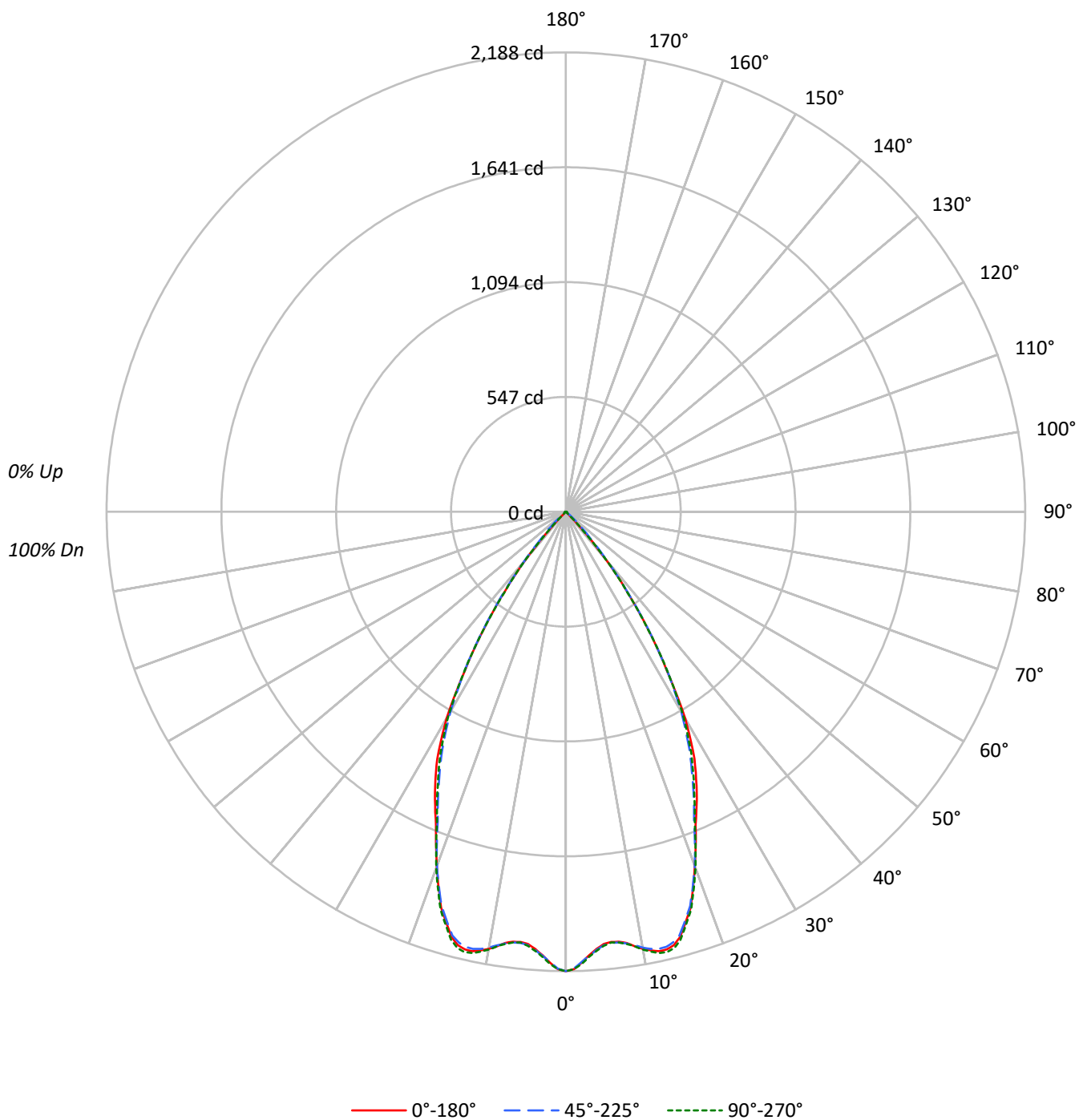
Lumens per Lamp: N/A
Luminaire Lumens: 1952.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94		
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87		
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82		
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76		
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71		
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67		
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55		
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	376909	376909	376909
5°	357223	358278	358813
10°	369625	368558	370430
15°	374141	372500	376316
20°	329438	329163	330831
25°	280346	272213	274532
30°	226269	218374	222014
35°	143198	144480	142883
40°	66952	69694	67986
45°	4092	24551	4847
50°	2036	5734	2036
55°	2282	2282	2282
60°	2101	2101	2101
65°	1875	2486	1875
70°	2316	2316	2316
75°	2063	2063	2063
80°	1488	1488	1488
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 24551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	10.2
10°-20°	574.5	29.4
20°-30°	662.2	33.9
30°-40°	425.2	21.8
40°-50°	74.0	3.8
50°-60°	7.0	0.4
60°-70°	5.4	0.3
70°-80°	3.3	0.2
80°-90°	1.0	0.1
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°	1436.1	73.6
0°-40°	1861.3	95.4
0°-60°	1942.3	99.5
0°-90°	1952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2188	2188	2188	2188	2188	
5°	2066	2071	2072	2077	2076	199
15°	2098	2091	2089	2103	2111	575
25°	1475	1458	1432	1434	1445	673
35°	681	676	687	674	680	425
45°	17	50	101	60	20	56
55°	8	8	8	8	8	7
65°	5	6	6	6	5	5
75°	3	3	3	3	3	3
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2188.5	2188.5	2188.5	2188.5	2188.5
1°	2179.3	2177.8	2176.3	2177.8	2179.3
2°	2148.8	2147.2	2145.7	2151.8	2154.9
3°	2115.2	2116.7	2118.2	2121.3	2122.8
4°	2087.7	2090.7	2092.3	2095.3	2096.8
5°	2066.3	2070.9	2072.4	2077.0	2075.5
6°	2060.2	2063.2	2064.8	2066.3	2063.2
7°	2063.2	2064.8	2066.3	2069.4	2066.3
8°	2073.9	2075.5	2077.0	2078.5	2078.5
9°	2095.3	2092.3	2090.7	2096.8	2095.3
10°	2113.6	2109.1	2107.5	2116.7	2118.2
11°	2128.9	2122.8	2121.3	2132.0	2135.0
12°	2139.6	2130.4	2128.9	2142.7	2148.8
13°	2139.6	2127.4	2127.4	2142.7	2151.8
14°	2127.4	2113.6	2113.6	2130.4	2141.1
15°	2098.4	2090.7	2089.2	2102.9	2110.6
17.5°	1976.2	1967.0	1968.6	1983.8	1985.4
20°	1797.5	1792.9	1796.0	1799.0	1805.1
22.5°	1615.8	1612.7	1595.9	1600.5	1603.6
25°	1475.3	1458.5	1432.5	1434.0	1444.7
27.5°	1327.1	1310.3	1273.7	1281.3	1292.0
30°	1137.8	1124.0	1098.1	1102.6	1116.4
32.5°	893.4	920.9	896.5	904.1	899.5
35°	681.1	676.5	687.2	673.5	679.6
37.5°	479.5	481.1	485.6	473.4	473.4
40°	297.8	305.4	310.0	303.9	302.4
42.5°	125.2	171.0	180.2	171.0	126.8
45°	16.8	50.4	100.8	59.6	19.9
47.5°	7.6	10.7	53.5	10.7	7.6
50°	7.6	7.6	21.4	7.6	7.6
52.5°	7.6	7.6	7.6	7.6	7.6
55°	7.6	7.6	7.6	7.6	7.6
57.5°	7.6	7.6	7.6	7.6	7.6
60°	6.1	6.1	6.1	6.1	6.1
62.5°	6.1	6.1	6.1	6.1	6.1
65°	4.6	6.1	6.1	6.1	4.6
67.5°	4.6	4.6	4.6	4.6	4.6
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.1	3.1	3.1	3.1	3.1
75°	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.1
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)