

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: P1314756

Luminaire Tested: P3SQAS20R609735D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609735D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

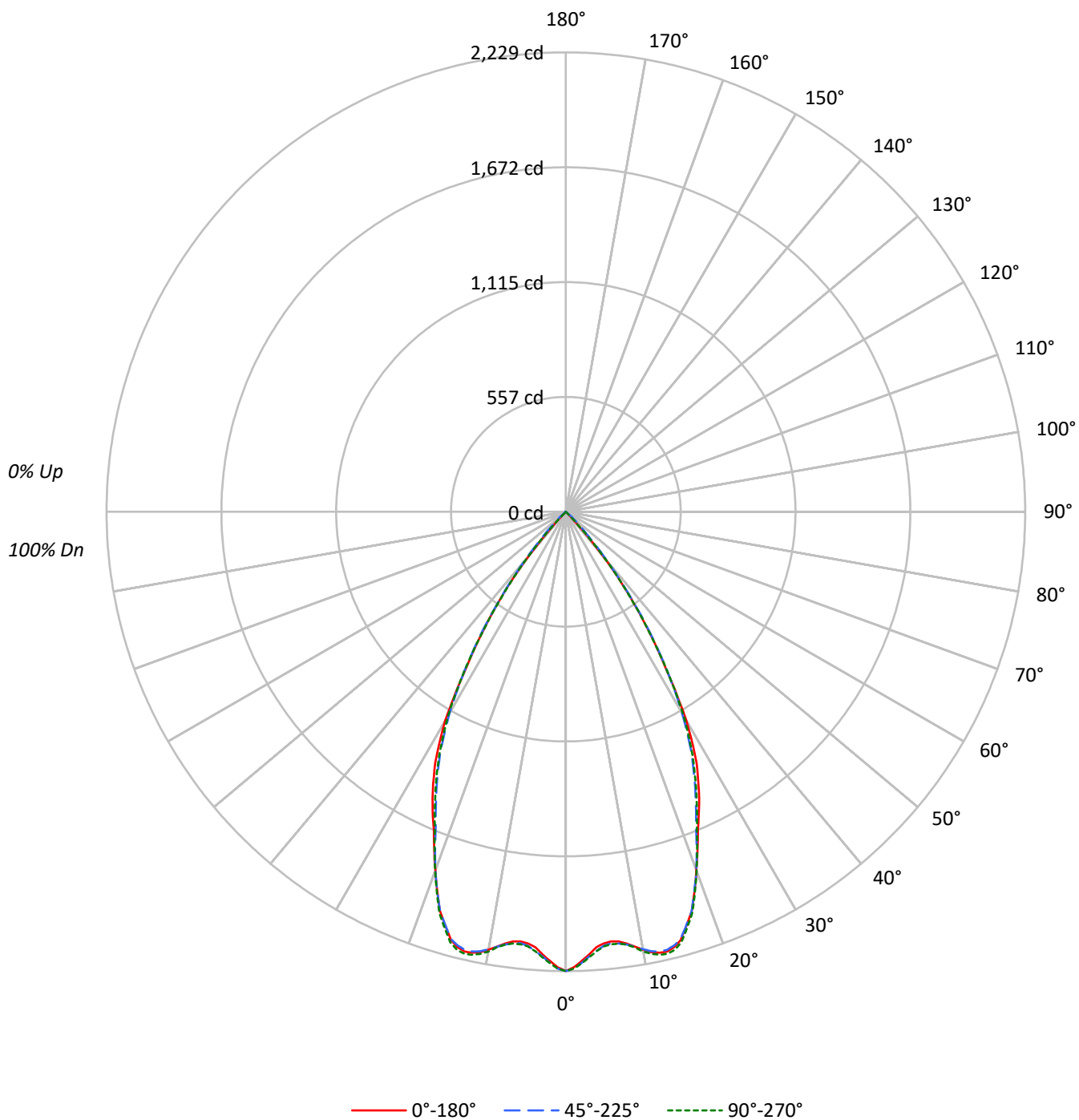
Lumens per Lamp: N/A
Luminaire Lumens: 1975.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	383815	383815	383815
5°	363499	365418	365953
10°	377355	376795	378999
15°	383608	383038	385855
20°	339463	339463	340049
25°	290912	282228	284622
30°	232712	224261	227701
35°	144375	147361	144039
40°	63377	69762	65153
45°	779	22627	1924
50°	0	2545	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 22627 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.5	10.3
10°-20°	590.0	29.9
20°-30°	685.0	34.7
30°-40°	431.4	21.8
40°-50°	64.8	3.3
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1478.6	74.9
0°-40°	1909.9	96.7
0°-60°	1975.0	100.0
0°-90°	1975.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1975.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2103	2110	2114	2118	2117	203
15°	2152	2144	2148	2162	2164	590
25°	1531	1514	1485	1492	1498	696
35°	687	688	701	687	685	429
45°	3	30	93	39	8	42
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	2228.6	2228.6	2228.6	2228.6	2228.6
1°	2211.3	2217.6	2217.6	2219.2	2217.6
2°	2181.4	2190.8	2190.8	2195.6	2192.4
3°	2151.5	2159.3	2160.9	2167.2	2165.6
4°	2118.4	2131.0	2135.7	2138.9	2137.3
5°	2102.6	2110.5	2113.7	2118.4	2116.8
6°	2096.3	2102.6	2105.8	2110.5	2110.5
7°	2101.1	2105.8	2110.5	2113.7	2110.5
8°	2115.2	2120.0	2120.0	2126.3	2121.5
9°	2135.7	2137.3	2137.3	2145.2	2140.4
10°	2157.8	2154.6	2154.6	2165.6	2167.2
11°	2176.7	2173.5	2171.9	2183.0	2186.1
12°	2187.7	2181.4	2181.4	2195.6	2197.1
13°	2189.3	2181.4	2181.4	2195.6	2200.3
14°	2176.7	2167.2	2168.8	2184.5	2189.3
15°	2151.5	2143.6	2148.3	2162.5	2164.1
17.5°	2031.8	2027.0	2030.2	2039.6	2041.2
20°	1852.2	1849.1	1852.2	1852.2	1855.4
22.5°	1674.2	1666.4	1650.6	1660.1	1661.6
25°	1530.9	1513.6	1485.2	1491.5	1497.8
27.5°	1373.4	1351.4	1321.4	1329.3	1330.9
30°	1170.2	1159.2	1127.7	1135.6	1145.0
32.5°	904.1	934.0	915.1	913.5	915.1
35°	686.7	688.3	700.9	686.7	685.1
37.5°	480.4	482.0	491.4	475.7	477.2
40°	281.9	302.4	310.3	304.0	289.8
42.5°	88.2	155.9	176.4	152.8	97.7
45°	3.2	29.9	92.9	39.4	7.9
47.5°	0.0	1.6	44.1	3.2	0.0
50°	0.0	0.0	9.5	0.0	0.0
52.5°	0.0	0.0	1.6	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)