

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: P1318356

Luminaire Tested: P3SQAS20R609835D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318356
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: P3SQAS20R609835D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

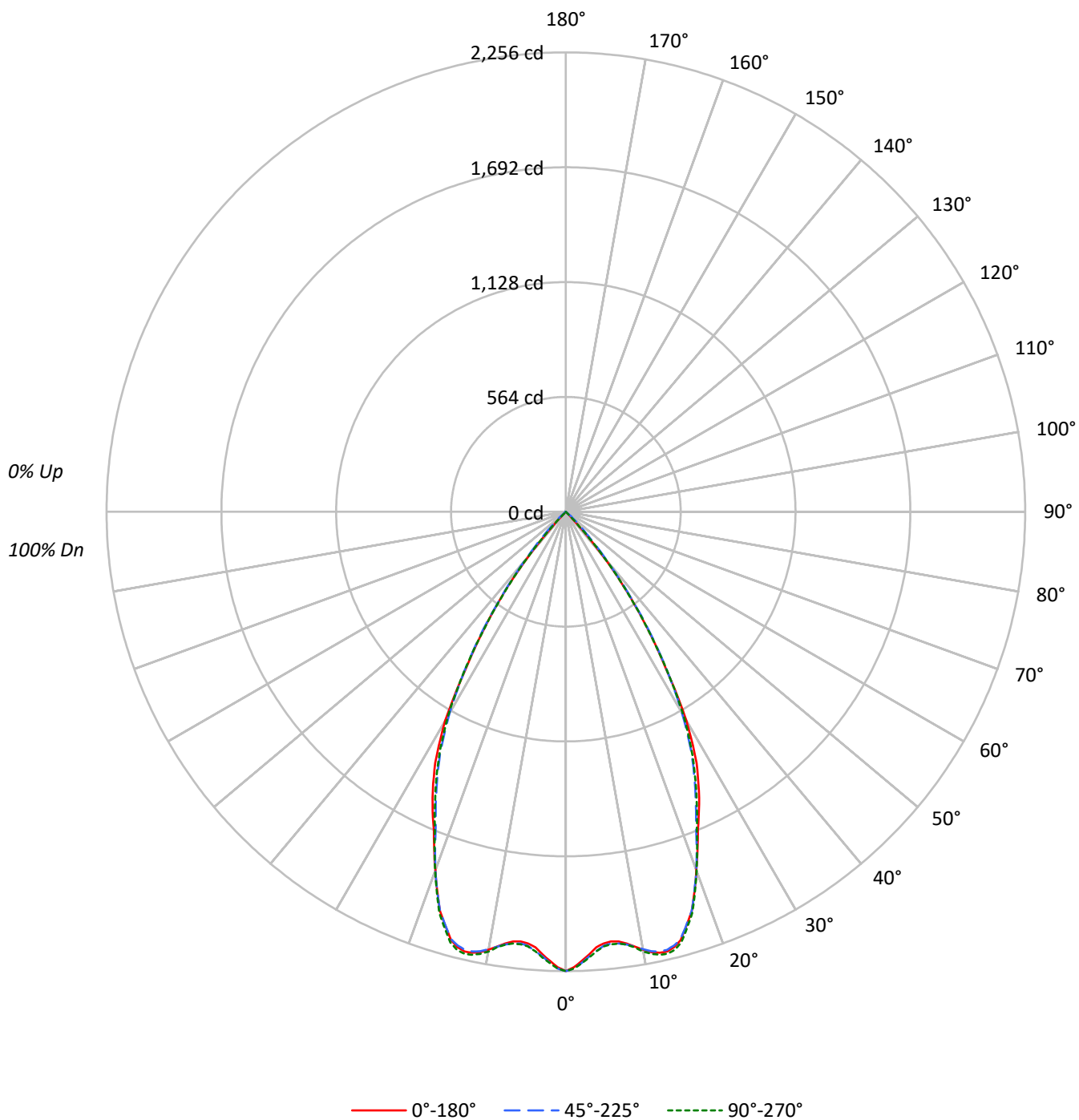
Lumens per Lamp: N/A
Luminaire Lumens: 1999.0 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1318356

CATALOG NUMBER: P3SQAS20R609835D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1318356

CATALOG NUMBER: P3SQAS20R609835D010 E3SQCD1MB

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°	388483	388483	388483
5°	367924	369843	370396
10°	381937	381377	383616
15°	388262	387691	390544
20°	343587	343587	344173
25°	294446	285667	288080
30°	235556	226985	230465
35°	146120	149148	145805
40°	64164	70594	65940
45°	779	22919	1948
50°	0	2572	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: 22919 cd/sqm

TEST NUMBER: P1318356

CATALOG NUMBER: P3SQAS20R609835D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.0	10.3
10°-20°	597.2	29.9
20°-30°	693.3	34.7
30°-40°	436.6	21.8
40°-50°	65.6	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°	1496.5	74.9
0°-40°	1933.1	96.7
0°-60°	1999.0	100.0
0°-90°	1999.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2256	2256	2256	2256	2256	
5°	2128	2136	2139	2144	2142	205
15°	2178	2170	2174	2189	2190	597
25°	1550	1532	1503	1510	1516	704
35°	695	697	709	695	694	434
45°	3	30	94	40	8	43
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	

TEST NUMBER: P1318356

CATALOG NUMBER: P3SQAS20R609835D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2255.7	2255.7	2255.7	2255.7	2255.7
1°	2238.2	2244.6	2244.6	2246.2	2244.6
2°	2207.9	2217.5	2217.5	2222.2	2219.1
3°	2177.6	2185.6	2187.2	2193.6	2192.0
4°	2144.1	2156.9	2161.7	2164.9	2163.3
5°	2128.2	2136.2	2139.3	2144.1	2142.5
6°	2121.8	2128.2	2131.4	2136.2	2136.2
7°	2126.6	2131.4	2136.2	2139.3	2136.2
8°	2140.9	2145.7	2145.7	2152.1	2147.3
9°	2161.7	2163.3	2163.3	2171.2	2166.4
10°	2184.0	2180.8	2180.8	2192.0	2193.6
11°	2203.1	2199.9	2198.3	2209.5	2212.7
12°	2214.3	2207.9	2207.9	2222.2	2223.8
13°	2215.9	2207.9	2207.9	2222.2	2227.0
14°	2203.1	2193.6	2195.1	2211.1	2215.9
15°	2177.6	2169.6	2174.4	2188.8	2190.4
17.5°	2056.5	2051.7	2054.9	2064.4	2066.0
20°	1874.7	1871.5	1874.7	1874.7	1877.9
22.5°	1694.6	1686.6	1670.7	1680.2	1681.8
25°	1549.5	1532.0	1503.3	1509.7	1516.0
27.5°	1390.1	1367.8	1337.5	1345.5	1347.1
30°	1184.5	1173.3	1141.4	1149.4	1158.9
32.5°	915.0	945.3	926.2	924.6	926.2
35°	695.0	696.6	709.4	695.0	693.5
37.5°	486.2	487.8	497.4	481.4	483.0
40°	285.4	306.1	314.0	307.7	293.3
42.5°	89.3	157.8	178.5	154.6	98.8
45°	3.2	30.3	94.1	39.9	8.0
47.5°	0.0	1.6	44.6	3.2	0.0
50°	0.0	0.0	9.6	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



TEST NUMBER: P1318356

CATALOG NUMBER: P3SQAS20R609835D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)