

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: P1310820

Luminaire Tested: P3SQAS02R209050DE010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R209050DE010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

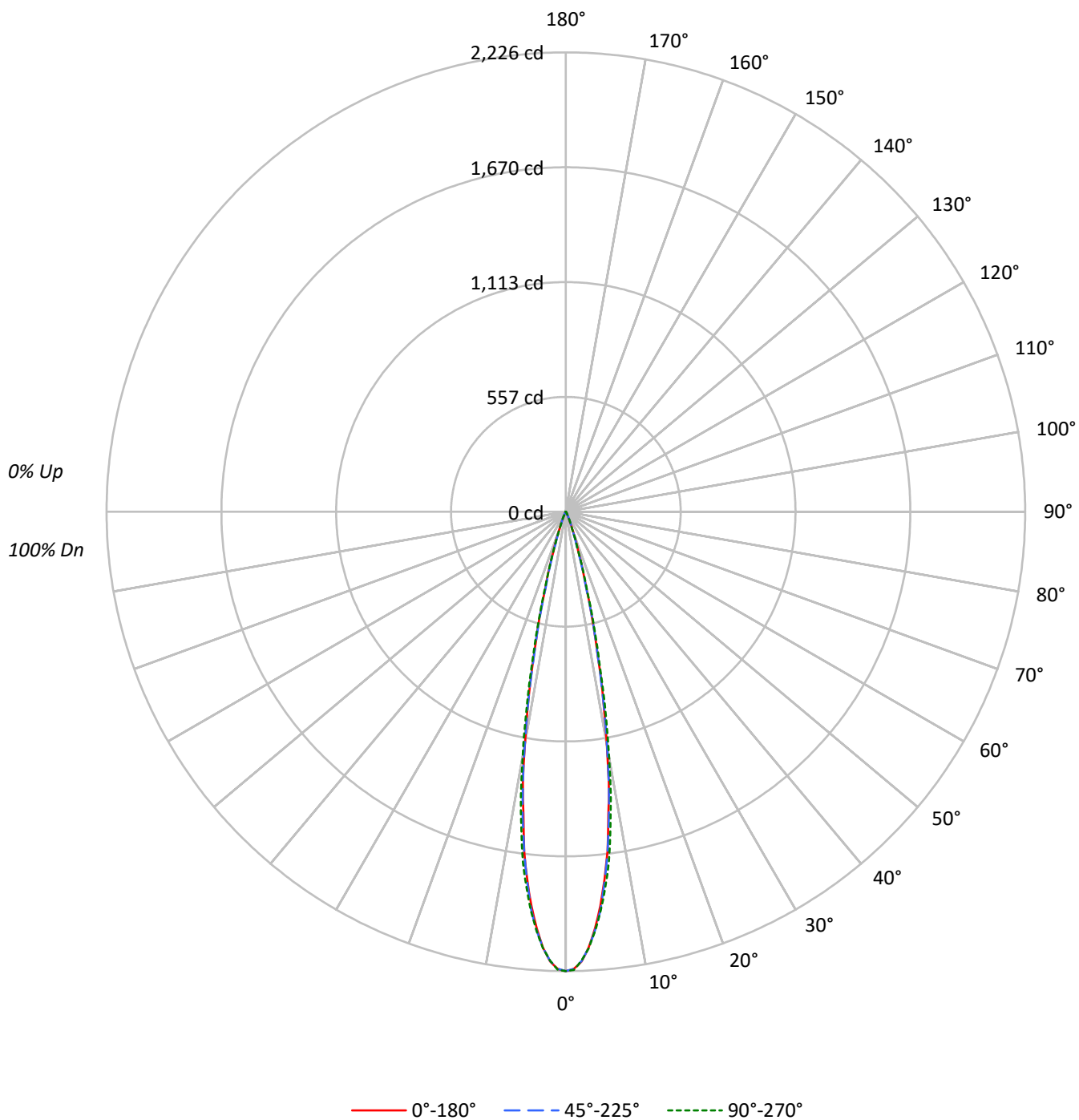
Lumens per Lamp: N/A
Luminaire Lumens: 299.0 lumens
Efficiency: N/A
Efficacy: 83.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	383385	383385	383385
5°	331204	334299	335526
10°	199380	201251	211254
15°	68966	67343	72710
20°	18108	17045	17081
25°	3953	4751	5416
30°	1690	1690	1750
35°	946	841	904
40°	427	472	540
45°	122	195	195
50°	80	80	80
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: 22.5°

Vertical Angle: 45°

Luminance: 195 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.2	53.3
10°-20°	121.2	40.5
20°-30°	15.0	5.0
30°-40°	2.8	0.9
40°-50°	0.7	0.2
50°-60°	0.0	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°	295.4	98.8
0°-40°	298.3	99.8
0°-60°	299.0	100.0
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2226	2226	2226	2226	2226	
5°	1916	1914	1934	1932	1941	158
15°	387	373	378	400	408	121
25°	21	24	25	26	28	14
35°	4	4	4	4	4	3
45°	0	1	1	1	1	1
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°	2226.1	2226.1	2226.1	2226.1	2226.1
1°	2215.8	2213.1	2215.2	2210.7	2220.0
2°	2180.3	2177.7	2177.7	2175.0	2176.3
3°	2114.3	2118.5	2115.9	2110.3	2117.5
4°	2024.2	2029.0	2033.3	2033.5	2034.6
5°	1915.8	1914.5	1933.7	1932.3	1940.8
6°	1792.2	1790.6	1798.9	1812.7	1829.8
7°	1656.4	1636.9	1659.0	1687.0	1709.9
8°	1480.5	1485.6	1500.8	1533.8	1552.2
9°	1331.4	1301.8	1334.0	1373.5	1393.4
10°	1140.1	1116.1	1150.8	1192.3	1208.0
12.5°	717.6	696.9	708.0	751.7	758.7
15°	386.8	372.9	377.7	400.4	407.8
17.5°	197.4	184.9	182.2	196.6	198.2
20°	98.8	95.9	93.0	94.3	93.2
22.5°	45.8	49.8	49.3	46.6	49.8
25°	20.8	23.7	25.0	26.1	28.5
27.5°	12.8	12.3	14.1	15.2	15.5
30°	8.5	8.3	8.5	8.8	8.8
32.5°	6.1	5.9	5.6	5.6	5.9
35°	4.5	4.5	4.0	4.3	4.3
37.5°	3.2	3.2	2.9	3.2	3.2
40°	1.9	2.1	2.1	2.1	2.4
42.5°	1.1	1.3	1.3	1.3	1.3
45°	0.5	0.8	0.8	0.8	0.8
47.5°	0.3	0.3	0.3	0.5	0.5
50°	0.3	0.3	0.3	0.3	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)