

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: P1315775

Luminaire Tested: P3SQAS02R209827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315775
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: P3SQAS02R209827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

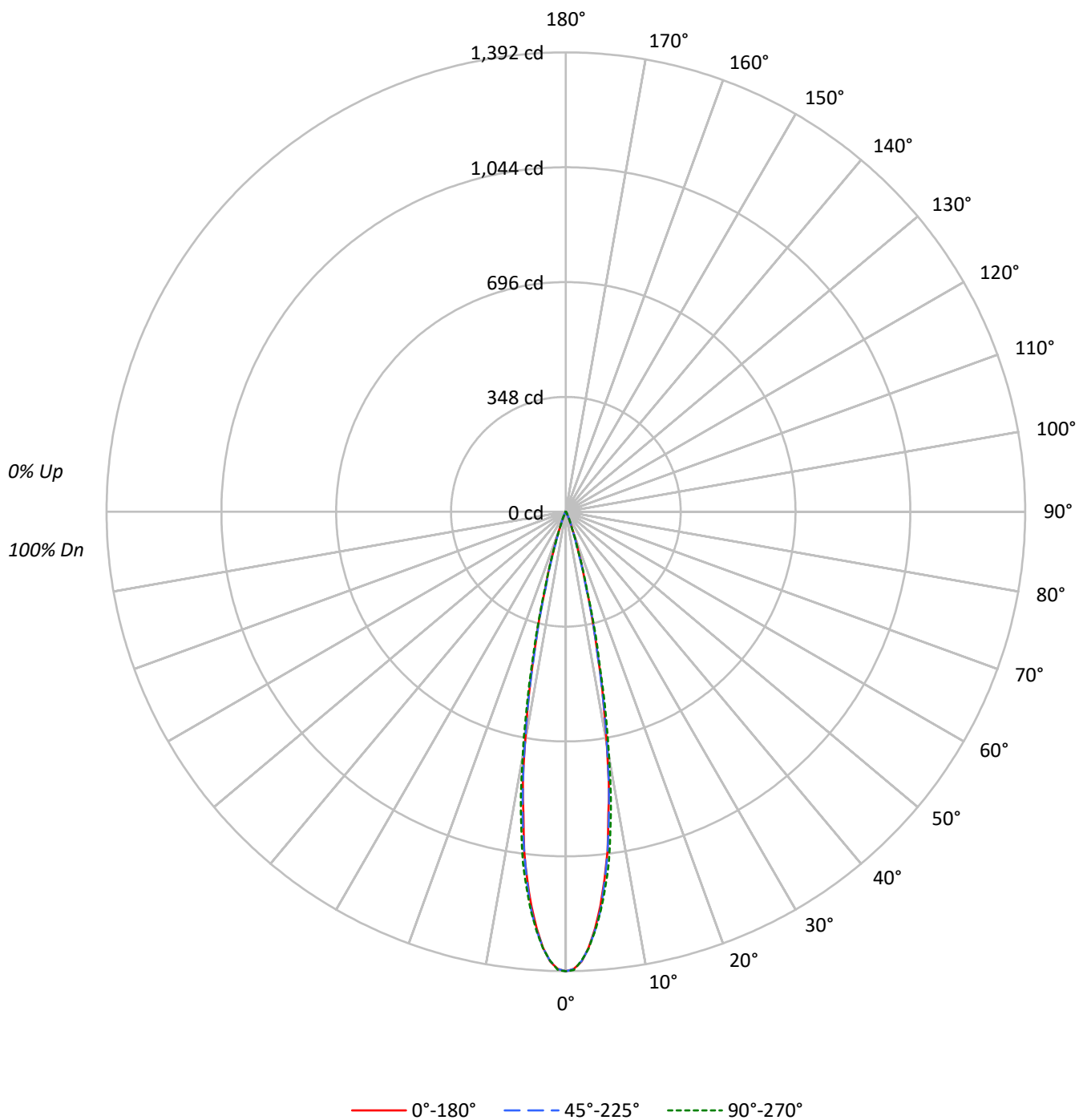
Lumens per Lamp: N/A
Luminaire Lumens: 187.0 lumens
Efficiency: N/A
Efficacy: 51.9 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	239786	239786	239786
5°	207145	209064	209842
10°	124689	125861	132121
15°	43130	42114	45484
20°	11326	10648	10685
25°	2470	2983	3382
30°	1054	1054	1094
35°	589	526	568
40°	270	292	337
45°	73	122	122
50°	54	54	54
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: 122 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	53.3
10°-20°	75.8	40.5
20°-30°	9.4	5.0
30°-40°	1.8	0.9
40°-50°	0.4	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°	184.8	98.8
0°-40°	186.5	99.8
0°-60°	187.0	100.0
0°-90°	187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1392	1392	1392	1392	1392	
5°	1198	1197	1209	1208	1214	99
15°	242	233	236	250	255	76
25°	13	15	16	16	18	9
35°	3	3	2	3	3	2
45°	0	0	0	0	0	0
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°	1392.3	1392.3	1392.3	1392.3	1392.3
1°	1385.8	1384.1	1385.4	1382.6	1388.4
2°	1363.6	1361.9	1361.9	1360.3	1361.1
3°	1322.3	1325.0	1323.3	1319.8	1324.3
4°	1266.0	1269.0	1271.7	1271.8	1272.5
5°	1198.2	1197.3	1209.3	1208.5	1213.8
6°	1120.9	1119.9	1125.0	1133.7	1144.4
7°	1035.9	1023.8	1037.6	1055.1	1069.4
8°	926.0	929.1	938.6	959.3	970.8
9°	832.7	814.2	834.3	859.0	871.5
10°	713.0	698.1	719.7	745.7	755.5
12.5°	448.8	435.8	442.8	470.1	474.5
15°	241.9	233.2	236.2	250.4	255.1
17.5°	123.5	115.6	114.0	123.0	123.9
20°	61.8	60.0	58.1	59.0	58.3
22.5°	28.7	31.2	30.8	29.2	31.2
25°	13.0	14.8	15.7	16.3	17.8
27.5°	8.0	7.7	8.8	9.5	9.7
30°	5.3	5.2	5.3	5.5	5.5
32.5°	3.8	3.7	3.5	3.5	3.7
35°	2.8	2.8	2.5	2.7	2.7
37.5°	2.0	2.0	1.8	2.0	2.0
40°	1.2	1.3	1.3	1.3	1.5
42.5°	0.7	0.8	0.8	0.8	0.8
45°	0.3	0.5	0.5	0.5	0.5
47.5°	0.2	0.2	0.2	0.3	0.3
50°	0.2	0.2	0.2	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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)