

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: P1312408

Luminaire Tested: P3SQAS13R209727DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312408
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: P3SQAS13R209727DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

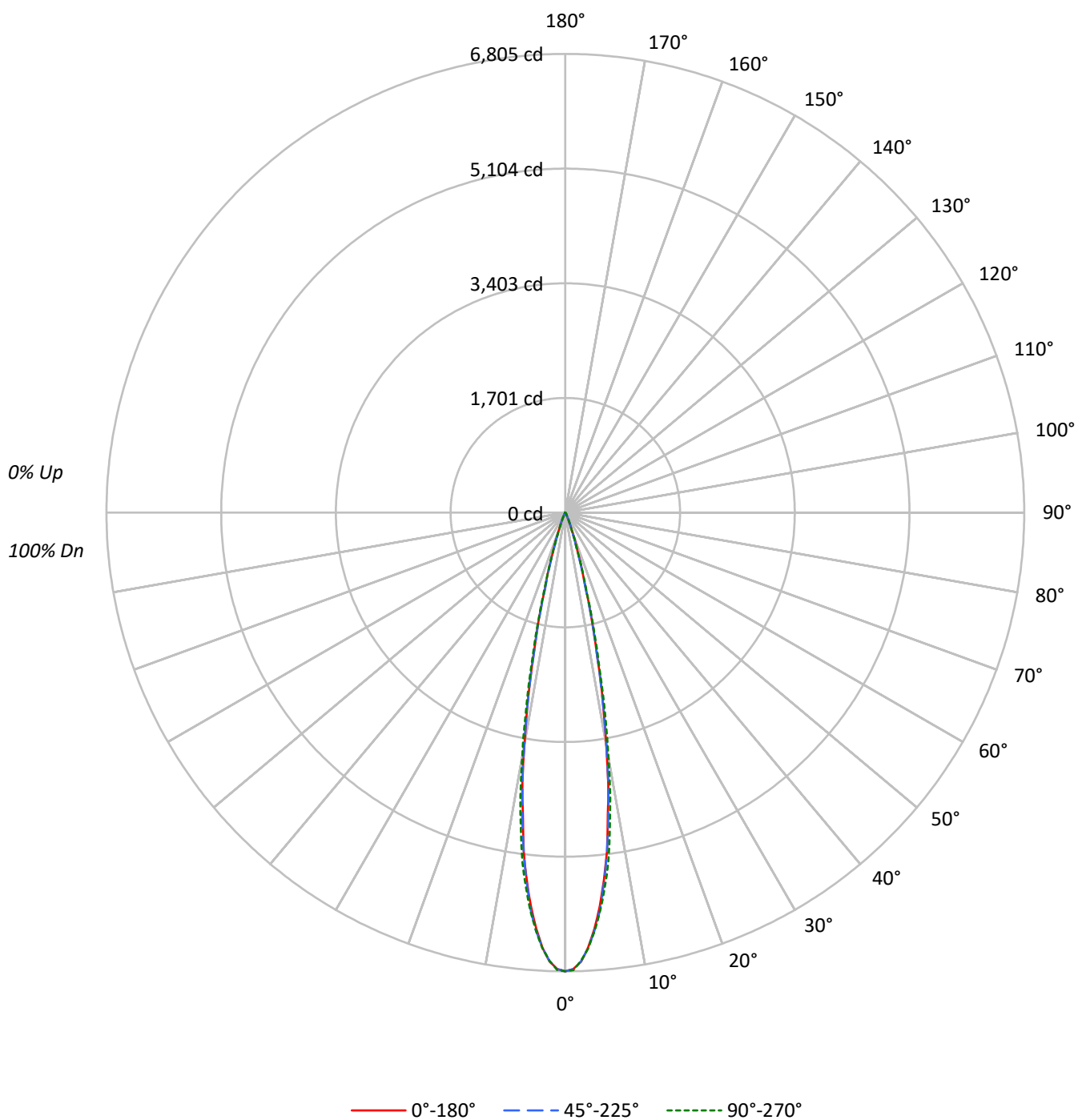
Lumens per Lamp: N/A
Luminaire Lumens: 914.0 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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°	1171975	1171975	1171975
5°	1012457	1021879	1025683
10°	609472	615173	645795
15°	210802	205881	222284
20°	55368	52087	52234
25°	12067	14537	16551
30°	5190	5190	5349
35°	2901	2565	2733
40°	1281	1461	1641
45°	390	585	585
50°	214	214	214
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: 585 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.7	53.3
10°-20°	370.6	40.5
20°-30°	45.8	5.0
30°-40°	8.7	0.9
40°-50°	2.1	0.2
50°-60°	0.1	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°	903.1	98.8
0°-40°	911.8	99.8
0°-60°	914.0	100.0
0°-90°	914.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	914.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6805	6805	6805	6805	6805	
5°	5856	5852	5911	5907	5933	483
15°	1182	1140	1155	1224	1247	370
25°	64	72	76	80	87	44
35°	14	14	12	13	13	9
45°	2	2	2	2	2	2
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°	6805.0	6805.0	6805.0	6805.0	6805.0
1°	6773.2	6765.1	6771.6	6757.8	6786.3
2°	6664.9	6656.8	6656.8	6648.7	6652.7
3°	6463.0	6476.0	6467.9	6450.8	6472.8
4°	6187.8	6202.4	6215.5	6216.3	6219.5
5°	5856.4	5852.3	5910.9	5906.8	5932.9
6°	5478.5	5473.6	5498.9	5541.2	5593.3
7°	5063.2	5003.8	5071.4	5156.9	5226.9
8°	4525.8	4541.3	4587.7	4688.7	4744.9
9°	4069.8	3979.4	4078.0	4198.5	4259.5
10°	3485.1	3411.9	3517.7	3644.7	3692.8
12.5°	2193.7	2130.2	2164.4	2297.9	2319.1
15°	1182.3	1140.0	1154.7	1223.9	1246.7
17.5°	603.4	565.1	557.0	600.9	605.8
20°	302.1	293.1	284.2	288.3	285.0
22.5°	140.1	152.3	150.6	142.5	152.3
25°	63.5	72.5	76.5	79.8	87.1
27.5°	39.1	37.5	43.2	46.4	47.2
30°	26.1	25.2	26.1	26.9	26.9
32.5°	18.7	17.9	17.1	17.1	17.9
35°	13.8	13.8	12.2	13.0	13.0
37.5°	9.8	9.8	9.0	9.8	9.8
40°	5.7	6.5	6.5	6.5	7.3
42.5°	3.3	4.1	4.1	4.1	4.1
45°	1.6	2.4	2.4	2.4	2.4
47.5°	0.8	0.8	0.8	1.6	1.6
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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)