

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: P1315155

Luminaire Tested: P3SQAS09R209740DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315155
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R209740DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

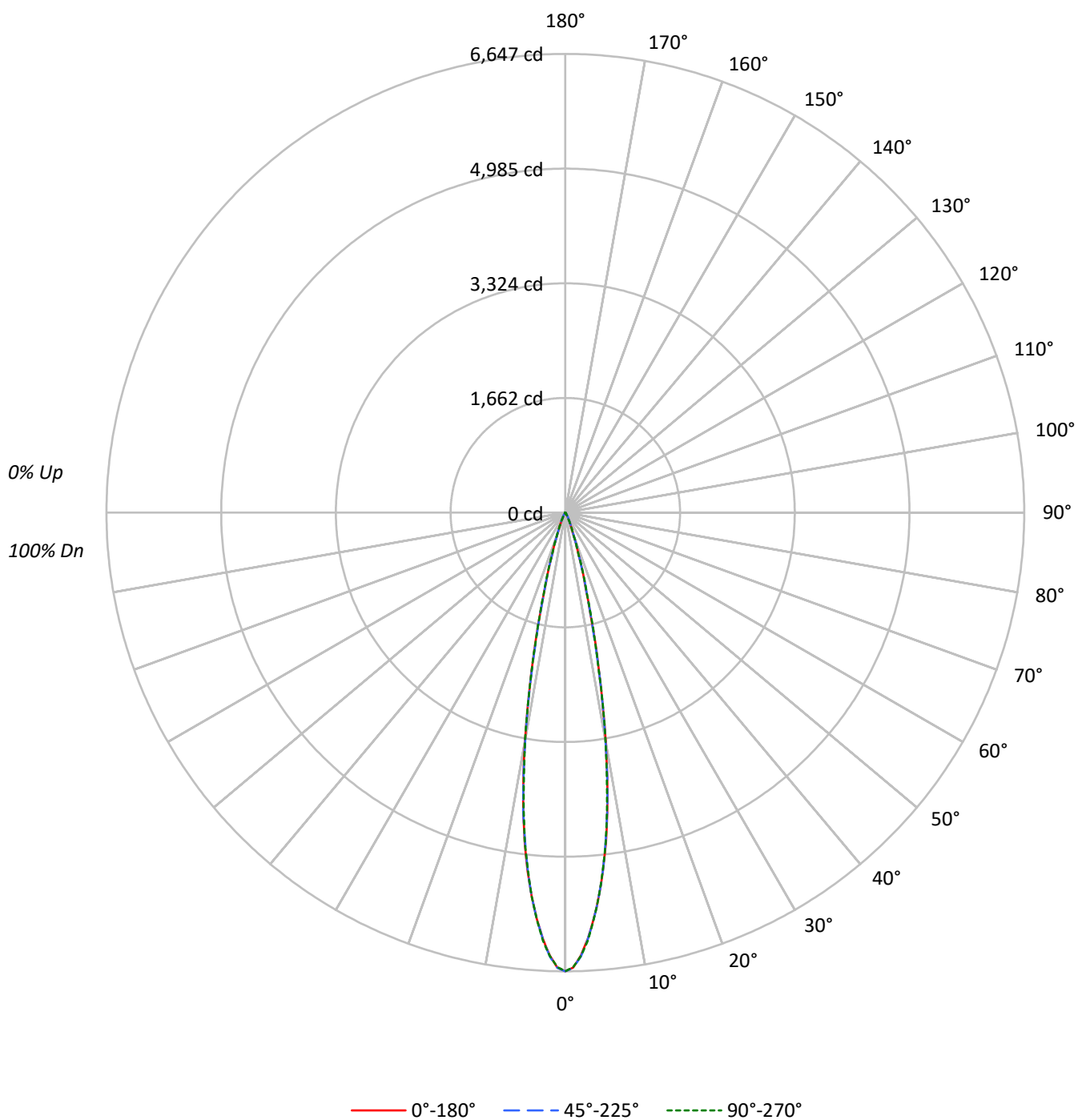
Lumens per Lamp: N/A
Luminaire Lumens: 916.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1315155

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315155

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQCD1MW

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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1144764	1144764	1144764
5°	964863	965244	964742
10°	587962	585234	586598
15°	207111	207985	214439
20°	65081	66896	65466
25°	24380	26661	25046
30°	9446	13384	9864
35°	3574	5950	3869
40°	1911	2540	1911
45°	682	1218	852
50°	375	563	375
55°	420	420	420
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1218 cd/sqm

TEST NUMBER: P1315155

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.4	50.4
10°-20°	361.8	39.5
20°-30°	71.0	7.8
30°-40°	15.9	1.7
40°-50°	3.6	0.4
50°-60°	1.1	0.1
60°-70°	0.7	0.1
70°-80°	0.3	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°	894.3	97.6
0°-40°	910.2	99.4
0°-60°	915.0	99.9
0°-90°	916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6647	6647	6647	6647	6647	
5°	5581	5586	5583	5602	5580	462
15°	1162	1166	1166	1192	1203	361
25°	128	137	140	138	132	68
35°	17	21	28	21	18	13
45°	3	4	5	4	4	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315155

CATALOG NUMBER: P3SQAS09R209740DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6647.0	6647.0	6647.0	6647.0	6647.0
1°	6593.2	6579.0	6595.3	6582.5	6585.4
2°	6422.4	6414.6	6435.8	6422.4	6429.5
3°	6184.9	6175.0	6190.6	6191.3	6211.2
4°	5901.5	5882.3	5905.7	5906.4	5910.0
5°	5581.1	5586.1	5583.3	5602.4	5580.4
6°	5221.1	5237.4	5216.1	5226.8	5196.3
7°	4818.5	4798.0	4787.4	4790.9	4812.2
8°	4374.2	4360.0	4375.6	4353.6	4338.7
9°	3880.2	3855.4	3872.4	3851.2	3829.9
10°	3362.1	3350.8	3346.5	3322.5	3354.3
11°	2842.7	2808.6	2825.6	2813.6	2848.3
12°	2356.5	2359.3	2326.0	2336.6	2340.9
13°	1917.8	1872.4	1878.1	1907.2	1912.1
14°	1487.6	1494.0	1496.1	1516.6	1528.7
15°	1161.6	1166.5	1166.5	1192.1	1202.7
17.5°	623.0	623.0	636.4	639.3	640.7
20°	355.1	357.2	365.0	364.3	357.2
22.5°	212.6	216.9	221.1	216.9	212.6
25°	128.3	136.8	140.3	138.2	131.8
27.5°	76.5	85.8	95.7	87.9	75.8
30°	47.5	52.4	67.3	53.9	49.6
32.5°	26.2	34.0	46.1	35.4	26.9
35°	17.0	20.6	28.3	20.6	18.4
37.5°	12.0	14.2	17.7	14.9	12.8
40°	8.5	9.9	11.3	10.6	8.5
42.5°	5.7	7.1	7.8	7.1	5.7
45°	2.8	4.3	5.0	4.3	3.5
47.5°	1.4	2.1	3.5	2.1	1.4
50°	1.4	1.4	2.1	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	0.7	1.4	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.7
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: P1315155
CATALOG NUMBER: P3SQAS09R209740DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)