

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: P1315140

Luminaire Tested: P3SQAS09R159740DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159740DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

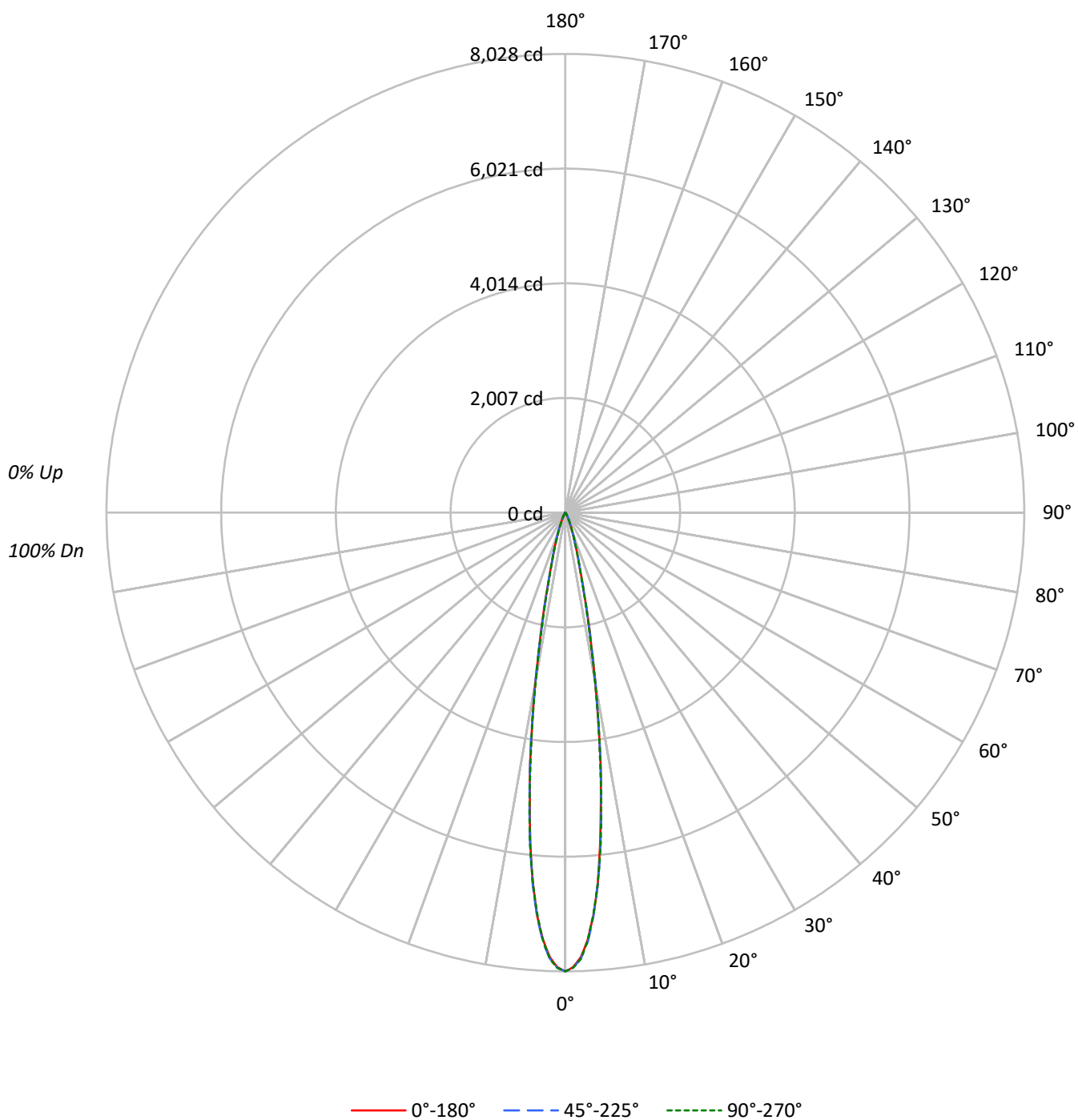
Lumens per Lamp: N/A
Luminaire Lumens: 896.0 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315140

CATALOG NUMBER: P3SQAS09R159740DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1315140

CATALOG NUMBER: P3SQAS09R159740DE010 E3SQCD1MMS

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	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1382621	1382621	1382621
5°	1125711	1129394	1127181
10°	525128	529832	523134
15°	164908	166281	165282
20°	65338	67922	63248
25°	26395	31924	25445
30°	10580	14517	10003
35°	3133	6412	2985
40°	967	2383	787
45°	170	511	170
50°	0	188	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: 511 cd/sqm

TEST NUMBER: P1315140

CATALOG NUMBER: P3SQAS09R159740DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.6	56.1
10°-20°	300.6	33.6
20°-30°	75.8	8.5
30°-40°	15.5	1.7
40°-50°	1.4	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°	879.1	98.1
0°-40°	894.5	99.8
0°-60°	896.0	100.0
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8028	8028	8028	8028	8028	
5°	6512	6500	6533	6516	6520	501
15°	925	933	933	919	927	301
25°	139	152	168	149	134	71
35°	15	20	30	19	14	12
45°	1	1	2	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	

TEST NUMBER: P1315140

CATALOG NUMBER: P3SQAS09R159740DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8028.1	8028.1	8028.1	8028.1	8028.1
1°	7955.8	7982.8	7968.6	7979.9	7967.2
2°	7783.6	7819.8	7808.4	7804.9	7814.8
3°	7480.3	7522.1	7520.7	7510.1	7493.1
4°	7066.4	7049.4	7075.6	7072.8	7043.7
5°	6511.5	6499.5	6532.8	6516.5	6520.0
6°	5832.6	5885.0	5873.7	5875.1	5888.6
7°	5103.3	5131.7	5155.8	5175.6	5148.0
8°	4433.6	4426.5	4428.7	4451.3	4374.8
9°	3683.8	3727.8	3699.4	3654.0	3683.1
10°	3002.8	3029.7	3029.7	2990.0	2991.4
11°	2394.0	2416.0	2400.4	2410.3	2347.9
12°	1929.8	1875.2	1862.5	1872.4	1871.7
13°	1473.4	1476.9	1473.4	1472.7	1465.6
14°	1155.2	1173.6	1165.8	1146.7	1138.2
15°	924.9	932.6	932.6	919.2	927.0
17.5°	555.6	564.8	567.0	557.7	557.7
20°	356.5	360.7	370.6	357.2	345.1
22.5°	219.7	228.9	245.9	226.1	216.2
25°	138.9	151.7	168.0	148.8	133.9
27.5°	87.2	97.8	112.0	93.5	84.3
30°	53.2	60.2	73.0	58.8	50.3
32.5°	29.8	35.4	46.1	34.0	28.3
35°	14.9	19.8	30.5	19.1	14.2
37.5°	8.5	10.6	19.1	9.2	7.8
40°	4.3	5.7	10.6	5.7	3.5
42.5°	1.4	2.8	4.3	2.8	1.4
45°	0.7	1.4	2.1	1.4	0.7
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	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: P1315140

CATALOG NUMBER: P3SQAS09R159740DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)