

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: P1317801

Luminaire Tested: P3SQAS09R159835DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317801
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: P3SQAS09R159835DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

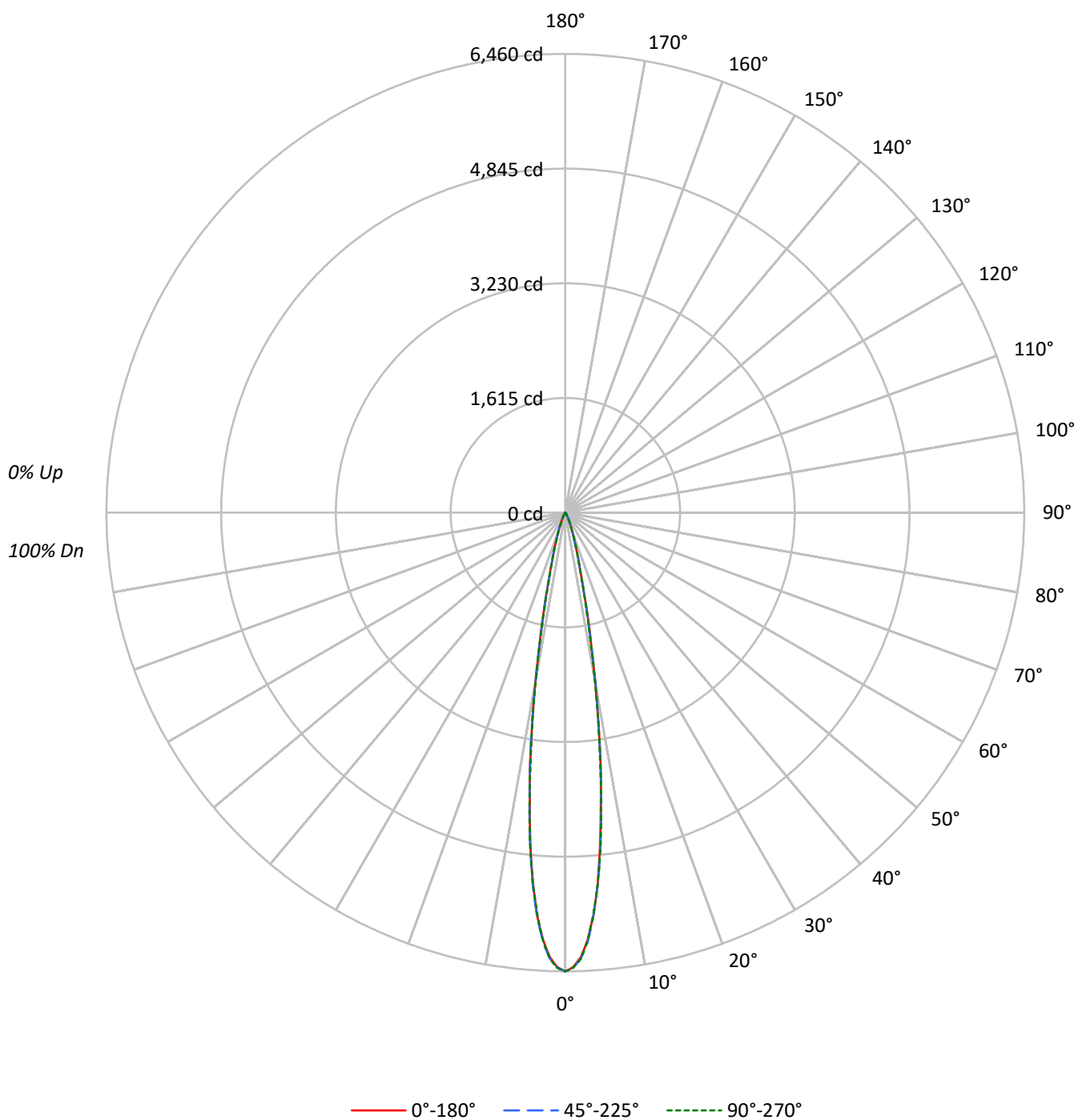
Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1317801

CATALOG NUMBER: P3SQAS09R159835DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317801

CATALOG NUMBER: P3SQAS09R159835DE010 E3SQCD1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	91	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°	1112575	1112575	1112575
5°	905842	908798	907035
10°	422561	426339	420970
15°	132689	133813	132992
20°	52582	54671	50896
25°	21245	25692	20485
30°	8511	11673	8054
35°	2523	5151	2397
40°	764	1933	652
45°	146	414	146
50°	0	161	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: 414 cd/sqm

TEST NUMBER: P1317801

CATALOG NUMBER: P3SQAS09R159835DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.5	56.1
10°-20°	241.9	33.6
20°-30°	61.0	8.5
30°-40°	12.5	1.7
40°-50°	1.2	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°	707.4	98.1
0°-40°	719.8	99.8
0°-60°	721.0	100.0
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6460	6460	6460	6460	6460	
5°	5240	5230	5257	5244	5247	403
15°	744	750	750	740	746	242
25°	112	122	135	120	108	57
35°	12	16	24	15	11	10
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: P1317801

CATALOG NUMBER: P3SQAS09R159835DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6460.1	6460.1	6460.1	6460.1	6460.1
1°	6402.0	6423.6	6412.2	6421.4	6411.1
2°	6263.4	6292.5	6283.3	6280.5	6288.5
3°	6019.3	6053.0	6051.8	6043.3	6029.6
4°	5686.3	5672.6	5693.7	5691.4	5668.0
5°	5239.7	5230.0	5256.8	5243.7	5246.6
6°	4693.4	4735.6	4726.5	4727.6	4738.5
7°	4106.6	4129.4	4148.8	4164.8	4142.5
8°	3567.7	3562.0	3563.7	3581.9	3520.3
9°	2964.3	2999.7	2976.9	2940.4	2963.7
10°	2416.3	2437.9	2437.9	2406.0	2407.2
11°	1926.4	1944.1	1931.5	1939.5	1889.3
12°	1552.9	1509.0	1498.7	1506.7	1506.1
13°	1185.6	1188.5	1185.6	1185.0	1179.3
14°	929.6	944.4	938.1	922.7	915.9
15°	744.2	750.5	750.5	739.7	745.9
17.5°	447.1	454.5	456.2	448.8	448.8
20°	286.9	290.3	298.3	287.4	277.7
22.5°	176.8	184.2	197.9	181.9	173.9
25°	111.8	122.0	135.2	119.8	107.8
27.5°	70.1	78.7	90.1	75.3	67.9
30°	42.8	48.5	58.7	47.3	40.5
32.5°	24.0	28.5	37.1	27.4	22.8
35°	12.0	16.0	24.5	15.4	11.4
37.5°	6.8	8.6	15.4	7.4	6.3
40°	3.4	4.6	8.6	4.6	2.9
42.5°	1.1	2.3	3.4	2.3	1.1
45°	0.6	1.1	1.7	1.1	0.6
47.5°	0.0	0.0	0.6	0.0	0.0
50°	0.0	0.0	0.6	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: P1317801

CATALOG NUMBER: P3SQAS09R159835DE010 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)