

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: P1305487

Luminaire Tested: P3SQAS02R559024DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559024DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

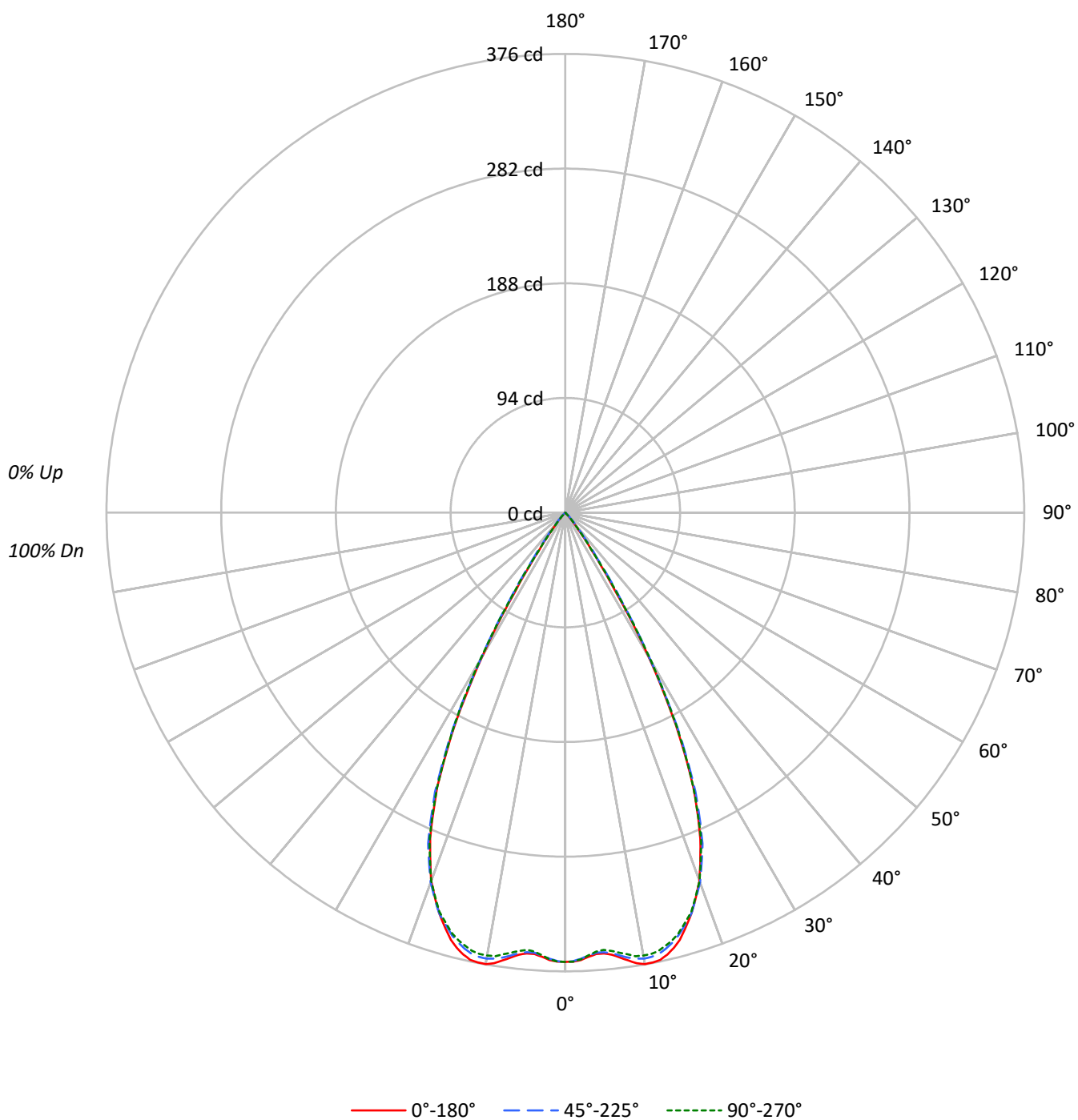
Lumens per Lamp: N/A
Luminaire Lumens: 280.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1305487

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1305487

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81	80
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82	79	77	75
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79	75	73	71
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75	72	69	67
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69	65	62	61
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63430	63430	63430
5°	62704	62514	62185
10°	65720	64933	64478
15°	64633	63938	63706
20°	58868	59106	58905
25°	47222	47963	47222
30°	27105	27801	28000
35°	7737	9314	7947
40°	1978	2855	2023
45°	219	999	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: 999 cd/sqm

TEST NUMBER: P1305487

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	12.5
10°-20°	99.8	35.6
20°-30°	109.9	39.3
30°-40°	32.8	11.7
40°-50°	2.5	0.9
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°	244.7	87.4
0°-40°	277.5	99.1
0°-60°	280.0	100.0
0°-90°	280.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	368	368	368	368	368	
5°	363	362	362	360	360	35
15°	362	360	359	357	357	100
25°	248	248	252	252	248	109
35°	37	39	44	40	38	30
45°	1	2	4	2	1	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	

TEST NUMBER: P1305487

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	368.3	368.3	368.3	368.3	368.3
1°	368.1	368.1	367.7	367.4	368.1
2°	367.0	367.0	365.9	365.7	366.4
3°	364.6	364.4	363.6	362.9	363.4
4°	362.7	362.3	361.6	360.6	360.8
5°	362.7	362.1	361.6	360.1	359.7
6°	364.4	364.0	363.1	361.6	361.2
7°	367.4	366.6	365.7	363.8	363.4
8°	370.7	370.0	368.3	366.4	365.5
9°	373.9	372.4	370.2	368.3	368.1
10°	375.8	373.7	371.3	368.9	368.7
11°	375.6	373.7	370.9	368.7	368.5
12°	374.7	372.0	369.6	367.0	367.2
13°	371.7	369.2	366.8	364.9	364.4
14°	367.7	365.3	363.1	361.2	361.4
15°	362.5	359.9	358.6	357.1	357.3
17.5°	344.2	343.6	344.2	342.5	343.1
20°	321.2	320.6	322.5	321.6	321.4
22.5°	289.2	290.0	293.7	292.6	290.7
25°	248.5	248.5	252.4	252.0	248.5
27.5°	195.7	197.2	199.5	200.6	198.0
30°	136.3	139.8	139.8	141.9	140.8
32.5°	76.1	83.4	85.1	86.2	81.9
35°	36.8	39.1	44.3	40.4	37.8
37.5°	17.6	18.7	23.9	19.4	18.1
40°	8.8	10.1	12.7	10.5	9.0
42.5°	3.7	5.4	6.7	5.4	3.7
45°	0.9	2.2	4.1	2.2	0.6
47.5°	0.0	0.2	1.9	0.4	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: P1305487

CATALOG NUMBER: P3SQAS02R559024DE010 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)