

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: P1305488

Luminaire Tested: P3SQAS02R559024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R559024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

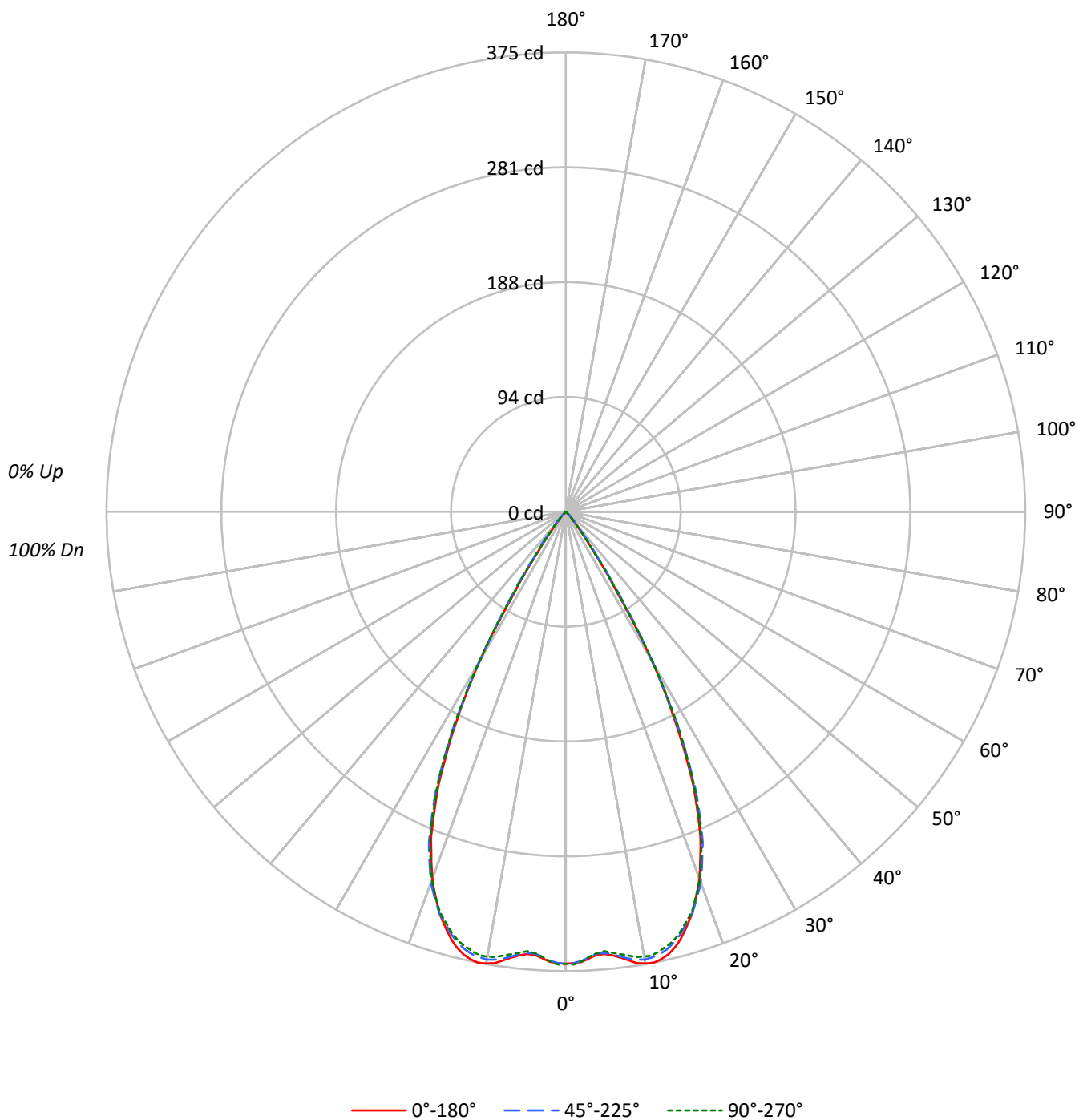
Lumens per Lamp: N/A
Luminaire Lumens: 282.9 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1305488

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	63550	63550	63550
5°	62652	62531	62237
10°	65475	64915	64496
15°	64455	63884	63617
20°	58447	59033	58612
25°	46747	47716	47279
30°	28020	28020	28378
35°	8094	9587	8368
40°	2316	3147	2316
45°	536	1193	536
50°	241	402	161
55°	180	180	180
60°	207	207	207
65°	163	163	163
70°	201	201	201
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

TEST NUMBER: P1305488

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	12.4
10°-20°	99.7	35.3
20°-30°	109.9	38.8
30°-40°	33.6	11.9
40°-50°	3.3	1.2
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.3	0.1
80°-90°	0.1	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°	244.6	86.5
0°-40°	278.2	98.3
0°-60°	282.1	99.7
0°-90°	282.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	362	362	362	361	360	35
15°	362	361	358	357	357	100
25°	246	248	251	254	249	108
35°	38	40	46	42	40	32
45°	2	3	5	3	2	3
55°	1	1	1	1	1	1
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: P1305488

CATALOG NUMBER: P3SQAS02R559024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	369.0	369.0	369.0	369.0	369.0
1°	368.6	368.8	368.6	368.2	369.7
2°	367.7	367.5	366.9	366.7	367.3
3°	365.0	365.0	364.1	363.7	363.9
4°	362.8	362.8	361.5	361.1	361.3
5°	362.4	362.4	361.7	360.6	360.0
6°	364.1	364.5	363.0	361.9	361.9
7°	366.7	366.9	365.8	364.3	363.9
8°	369.9	370.1	368.4	366.7	365.8
9°	373.1	372.7	370.3	368.6	368.0
10°	374.4	374.2	371.2	369.5	368.8
11°	375.1	374.0	370.5	369.0	368.8
12°	373.6	372.7	369.0	367.5	366.9
13°	371.0	369.7	366.7	365.2	364.3
14°	366.9	365.6	362.8	361.1	361.3
15°	361.5	360.9	358.3	356.8	356.8
17.5°	343.6	344.1	343.4	342.8	342.4
20°	318.9	320.6	322.1	321.3	319.8
22.5°	287.3	290.3	292.0	292.4	289.6
25°	246.0	248.3	251.1	253.5	248.8
27.5°	194.5	196.7	199.3	200.8	200.1
30°	140.9	141.2	140.9	143.7	142.7
32.5°	78.3	84.8	85.9	87.8	80.9
35°	38.5	40.5	45.6	42.0	39.8
37.5°	18.5	19.8	24.7	20.2	19.4
40°	10.3	11.2	14.0	11.6	10.3
42.5°	4.9	6.5	7.5	6.7	4.9
45°	2.2	3.2	4.9	3.2	2.2
47.5°	0.9	1.3	3.0	1.3	0.9
50°	0.9	0.6	1.5	0.6	0.6
52.5°	0.6	0.6	0.9	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6
62.5°	0.4	0.6	0.6	0.6	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.2	0.4	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)