

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: P1309873

Luminaire Tested: P3SQAS05R159040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

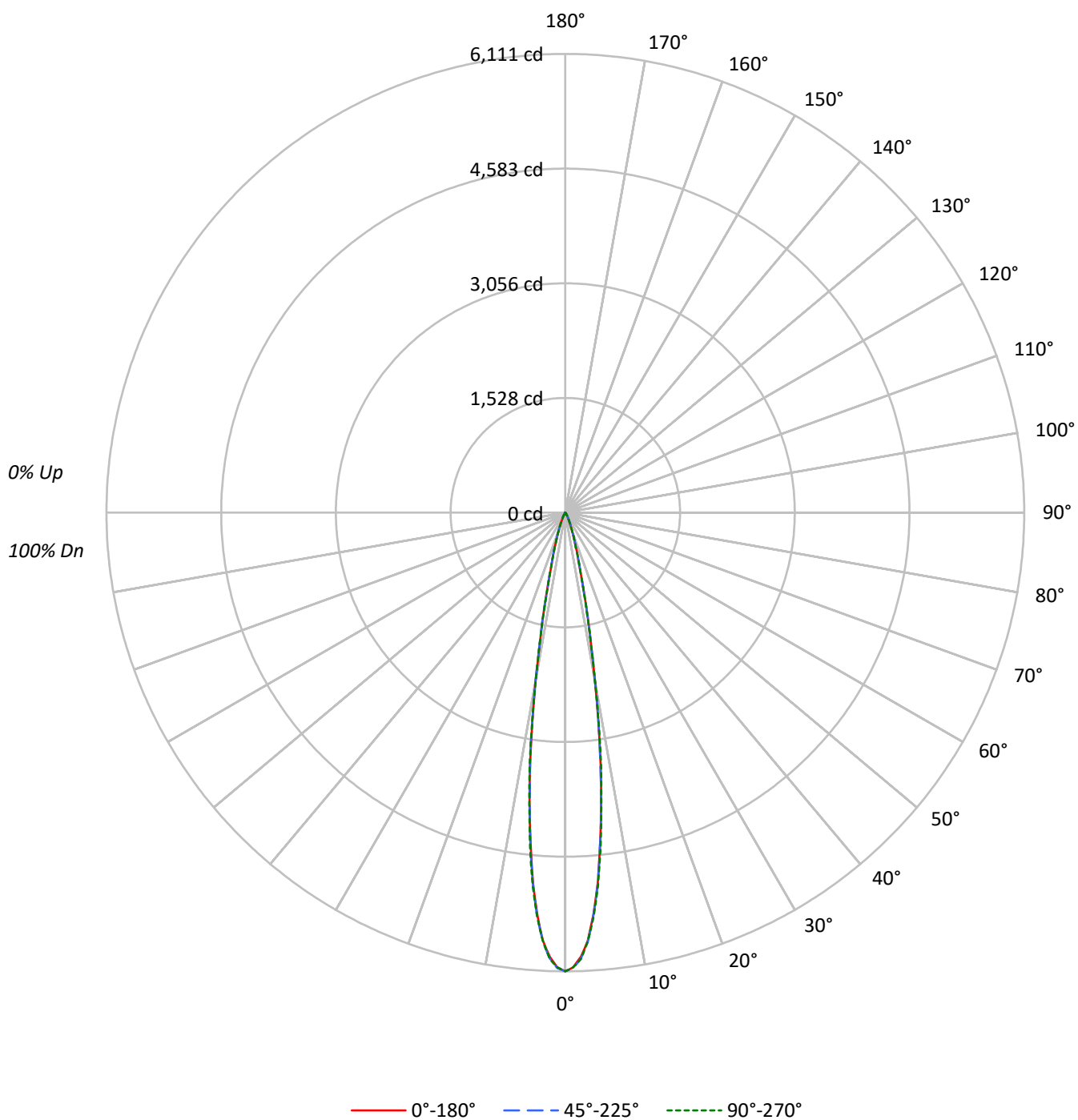
Lumens per Lamp: N/A
Luminaire Lumens: 686.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1309873

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309873

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1052401	1052401	1052401
5°	855758	858732	861706
10°	398533	398918	396749
15°	123311	127733	125326
20°	49154	51922	48568
25°	20580	24266	19554
30°	8352	11136	7716
35°	2712	5088	2481
40°	967	2068	967
45°	390	658	390
50°	295	429	295
55°	330	330	330
60°	379	379	379
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 658 cd/sqm

TEST NUMBER: P1309873

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	382.5	55.8
10°-20°	228.7	33.3
20°-30°	58.2	8.5
30°-40°	12.6	1.8
40°-50°	2.0	0.3
50°-60°	1.0	0.1
60°-70°	0.6	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°	669.4	97.6
0°-40°	682.0	99.4
0°-60°	685.1	99.9
0°-90°	686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	686.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6111	6111	6111	6111	6111	
5°	4950	4957	4967	4945	4984	382
15°	692	711	716	706	703	228
25°	108	116	128	113	103	55
35°	13	17	24	16	12	10
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309873

CATALOG NUMBER: P3SQAS05R159040DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6110.7	6110.7	6110.7	6110.7	6110.7
1°	6057.4	6067.6	6069.2	6067.6	6059.0
2°	5921.1	5951.3	5944.8	5931.9	5950.2
3°	5710.5	5725.6	5723.4	5724.5	5720.2
4°	5368.0	5394.3	5379.3	5390.6	5391.7
5°	4950.0	4957.0	4967.2	4944.6	4984.4
6°	4435.6	4480.3	4441.0	4479.8	4495.4
7°	3912.6	3938.4	3888.3	3915.3	3931.4
8°	3377.7	3332.5	3360.0	3360.5	3413.8
9°	2800.3	2809.5	2832.6	2806.2	2829.4
10°	2278.9	2299.9	2281.1	2271.9	2268.7
11°	1799.6	1823.3	1821.6	1824.3	1806.6
12°	1447.8	1435.4	1443.5	1417.1	1429.0
13°	1126.8	1127.3	1120.9	1110.1	1100.4
14°	882.8	877.4	892.5	879.0	866.7
15°	691.6	711.0	716.4	706.1	702.9
17.5°	426.6	427.1	434.7	425.0	423.9
20°	268.2	274.7	283.3	273.1	265.0
22.5°	169.7	175.6	189.1	176.1	164.8
25°	108.3	115.8	127.7	113.1	102.9
27.5°	67.9	74.9	86.2	72.7	65.2
30°	42.0	46.9	56.0	45.8	38.8
32.5°	24.2	29.1	36.6	27.5	23.2
35°	12.9	16.7	24.2	16.2	11.8
37.5°	7.5	9.7	15.6	8.6	7.0
40°	4.3	5.9	9.2	5.4	4.3
42.5°	2.7	3.8	4.3	3.2	2.2
45°	1.6	2.2	2.7	2.2	1.6
47.5°	1.1	1.6	2.2	1.1	1.1
50°	1.1	1.1	1.6	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
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: P1309873
CATALOG NUMBER: P3SQAS05R159040DE010 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)