

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: P1312920

Luminaire Tested: P3SQAS02R309730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

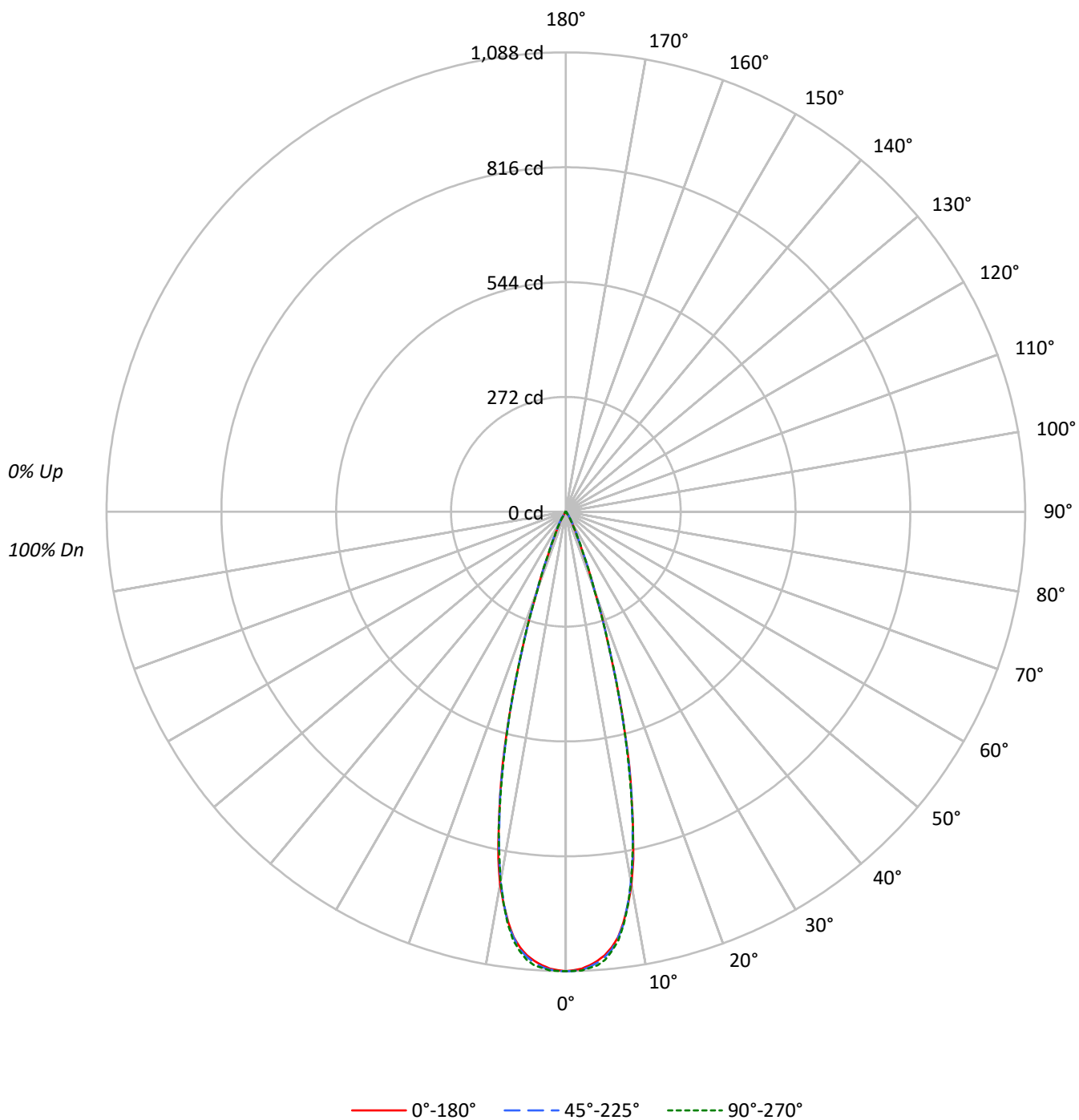
Lumens per Lamp: N/A
Luminaire Lumens: 282.9 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312920

CATALOG NUMBER: P3SQAS02R309730DE010 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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	84	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187395	187395	187395
5°	182268	183063	184187
10°	156727	155398	155555
15°	96299	95532	95603
20°	36655	36728	36050
25°	11649	12276	11706
30°	4693	5827	4813
35°	1514	2565	1514
40°	697	1124	697
45°	268	487	268
50°	107	241	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm

TEST NUMBER: P1312920

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	33.9
10°-20°	142.4	50.3
20°-30°	35.4	12.5
30°-40°	7.1	2.5
40°-50°	1.3	0.5
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	273.8	96.8
0°-40°	280.8	99.3
0°-60°	282.5	99.8
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°	1088	1088	1088	1088	1088	
5°	1054	1058	1059	1060	1065	96
15°	540	541	536	538	536	143
25°	61	63	65	64	62	34
35°	7	9	12	9	7	6
45°	1	1	2	2	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: P1312920

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1088.1	1088.1	1088.1	1088.1	1088.1
1°	1085.7	1087.0	1087.9	1087.9	1087.9
2°	1082.7	1083.5	1084.9	1085.1	1086.8
3°	1075.5	1077.4	1079.6	1080.9	1081.8
4°	1066.7	1069.4	1070.7	1073.9	1076.8
5°	1054.3	1057.8	1058.9	1060.4	1065.4
6°	1037.5	1040.1	1042.3	1042.9	1046.0
7°	1015.2	1016.5	1016.1	1017.2	1022.6
8°	981.4	981.8	985.5	983.1	986.8
9°	941.2	939.5	938.6	940.3	940.5
10°	896.2	890.3	888.6	887.1	889.5
11°	837.9	830.3	830.9	830.5	827.0
12°	765.4	764.6	758.9	760.0	765.2
13°	691.4	693.0	691.9	693.2	687.3
14°	622.0	614.6	616.5	609.1	612.0
15°	540.1	541.2	535.8	537.5	536.2
17.5°	345.8	348.2	346.5	345.0	347.4
20°	200.0	199.8	200.4	198.5	196.7
22.5°	105.2	106.8	108.7	108.9	110.3
25°	61.3	62.7	64.6	63.8	61.6
27.5°	37.6	40.0	43.0	40.8	38.2
30°	23.6	25.5	29.3	25.8	24.2
32.5°	13.3	16.2	19.2	16.2	13.3
35°	7.2	9.4	12.2	9.2	7.2
37.5°	4.8	5.5	8.1	5.5	4.8
40°	3.1	3.7	5.0	3.7	3.1
42.5°	1.7	2.4	2.8	2.4	1.7
45°	1.1	1.3	2.0	1.5	1.1
47.5°	0.4	0.7	1.3	0.7	0.7
50°	0.4	0.4	0.9	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	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°	0.0	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: P1312920

CATALOG NUMBER: P3SQAS02R309730DE010 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)