

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: P1313893

Luminaire Tested: P3SQAS02R309735DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309735DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

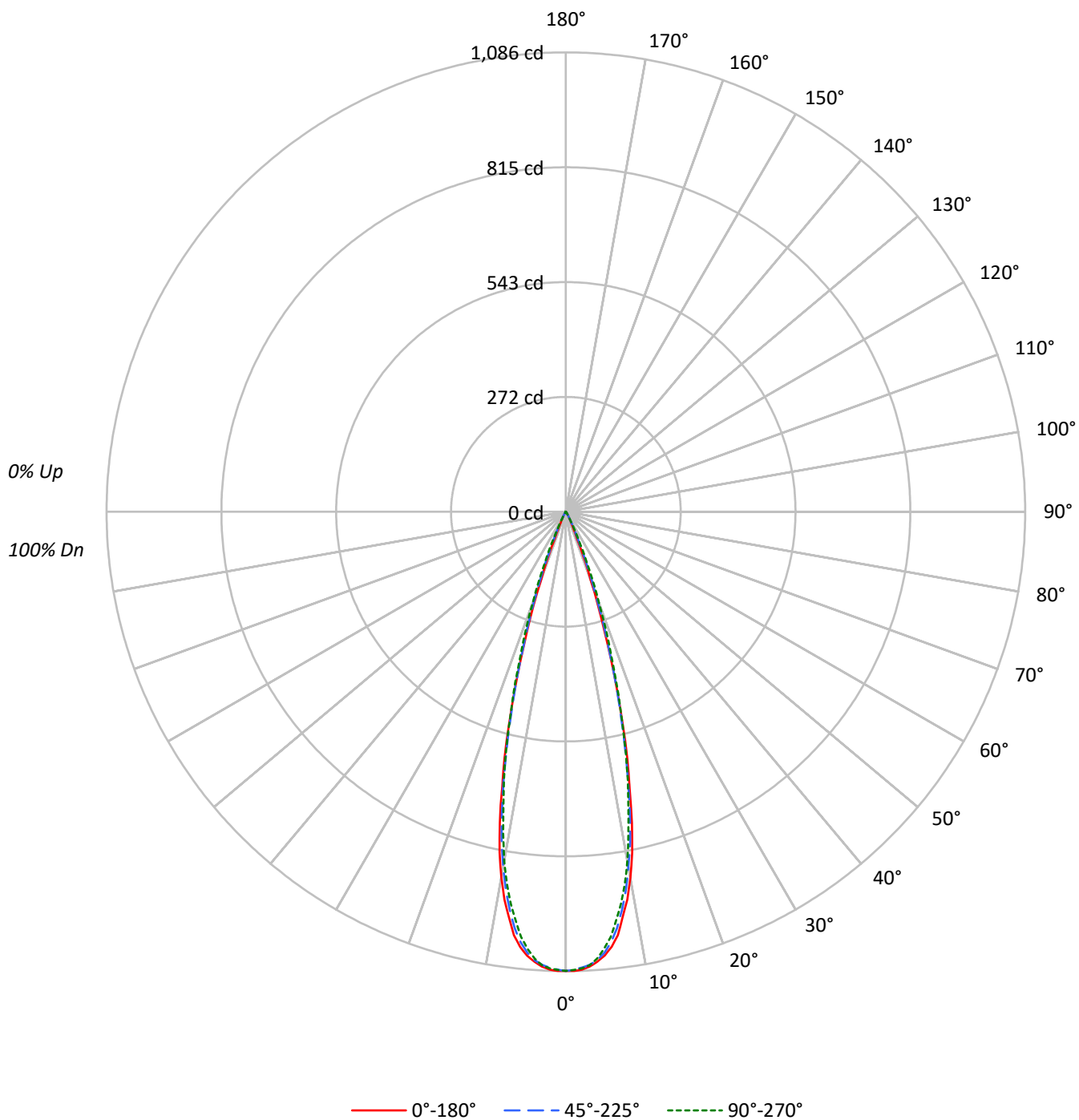
Lumens per Lamp: N/A
Luminaire Lumens: 263.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313893

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313893

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPH1MB

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	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	186930	186930	186930
5°	182112	180868	179381
10°	153702	148980	146549
15°	92626	90040	91681
20°	31413	36270	41842
25°	5777	9045	10679
30°	1989	2207	2486
35°	568	715	757
40°	157	247	202
45°	49	49	49
50°	54	0	54
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: 0°
Vertical Angle: 52.5°
Luminance: 57 cd/sqm

TEST NUMBER: P1313893

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	35.7
10°-20°	137.2	52.2
20°-30°	29.0	11.0
30°-40°	2.7	1.0
40°-50°	0.3	0.1
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°	260.1	98.9
0°-40°	262.7	99.9
0°-60°	263.0	100.0
0°-90°	263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1085	1085	1085	1085	1085	
5°	1053	1051	1046	1043	1038	95
15°	520	518	505	517	514	137
25°	30	34	48	56	56	22
35°	3	3	3	4	4	2
45°	0	0	0	0	0	0
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: P1313893

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1085.4	1085.4	1085.4	1085.4	1085.4
1°	1085.6	1084.5	1082.9	1085.2	1083.6
2°	1083.4	1080.6	1078.4	1080.6	1080.0
3°	1076.6	1074.3	1072.7	1073.8	1073.8
4°	1066.4	1063.9	1062.5	1062.7	1059.3
5°	1053.4	1051.4	1046.2	1043.0	1037.6
6°	1034.4	1029.4	1023.1	1017.8	1010.8
7°	1008.5	1000.8	991.8	982.7	973.9
8°	967.1	963.4	951.2	945.1	936.2
9°	928.1	919.2	906.1	896.1	891.3
10°	878.9	865.7	851.9	843.9	838.0
11°	820.6	807.2	796.1	784.5	775.5
12°	752.1	740.8	728.1	720.4	709.7
13°	670.9	669.3	655.1	652.6	651.2
14°	601.3	595.0	580.9	584.8	585.7
15°	519.5	517.7	505.0	516.7	514.2
17.5°	325.4	326.1	334.0	352.6	358.5
20°	171.4	176.6	197.9	220.4	228.3
22.5°	69.4	80.9	102.7	117.9	128.1
25°	30.4	34.0	47.6	56.0	56.2
27.5°	17.2	17.5	22.9	23.8	24.3
30°	10.0	10.2	11.1	11.8	12.5
32.5°	5.4	5.9	6.1	7.0	7.0
35°	2.7	3.4	3.4	4.1	3.6
37.5°	1.6	1.8	2.0	2.0	1.8
40°	0.7	0.9	1.1	1.1	0.9
42.5°	0.2	0.5	0.5	0.5	0.7
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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: P1313893

CATALOG NUMBER: P3SQAS02R309735DE010 E3SQPH1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)