

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: P1308591

Luminaire Tested: P3SQAS02R159035DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308591
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159035DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

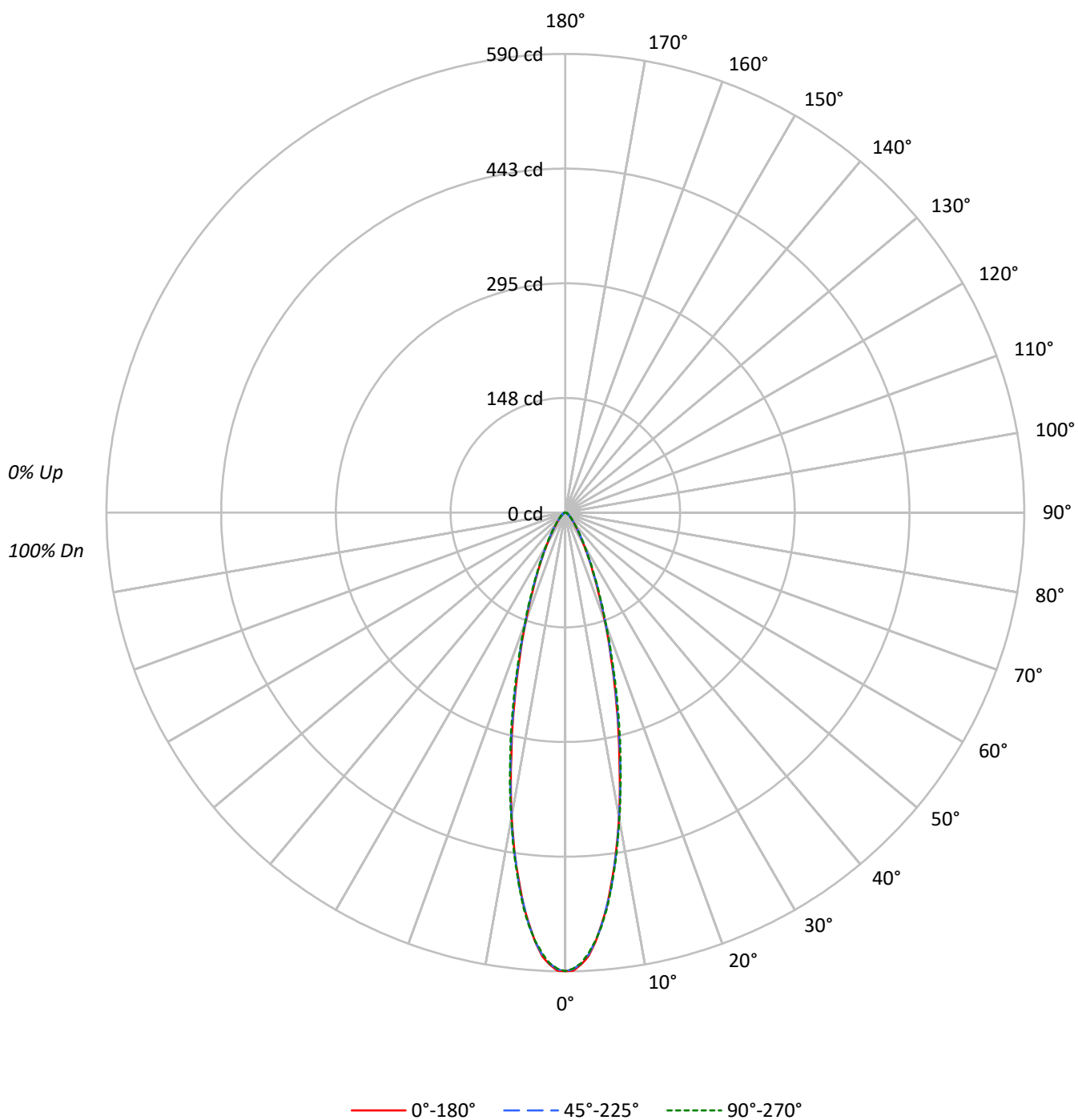
Lumens per Lamp: N/A
Luminaire Lumens: 195.1 lumens
Efficiency: N/A
Efficacy: 54.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308591

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308591

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHL1MB

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	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	81	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	73	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	101560	101560	101560
5°	91990	92163	92284
10°	69445	69620	69969
15°	45038	45537	46429
20°	27125	27436	27803
25°	15848	16171	16418
30°	9307	9605	9764
35°	5740	5950	6055
40°	3777	3889	3934
45°	2630	2679	2752
50°	1956	2009	2090
55°	1591	1651	1651
60°	1378	1378	1378
65°	1223	1223	1223
70°	1007	1158	1158
75°	998	998	998
80°	793	992	992
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2752 cd/sqm

TEST NUMBER: P1308591

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	23.8
10°-20°	71.0	36.4
20°-30°	40.4	20.7
30°-40°	18.4	9.4
40°-50°	8.8	4.5
50°-60°	5.0	2.5
60°-70°	3.0	1.6
70°-80°	1.6	0.8
80°-90°	0.4	0.2
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°	157.8	80.9
0°-40°	176.3	90.4
0°-60°	190.0	97.4
0°-90°	195.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	195.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	532	532	533	533	534	46
15°	253	254	255	259	260	70
25°	83	83	85	86	86	40
35°	27	28	28	29	29	18
45°	11	11	11	11	11	9
55°	5	5	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308591

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	589.7	589.7	589.7	589.7	589.7
1°	589.2	587.7	587.2	586.9	586.4
2°	581.7	580.4	580.2	580.2	579.9
3°	571.1	568.9	569.1	568.4	567.6
4°	553.4	552.4	552.9	553.4	552.4
5°	532.1	531.8	533.1	533.1	533.8
6°	510.0	509.8	509.0	511.0	512.0
7°	482.0	483.5	485.5	484.5	485.3
8°	456.5	454.7	455.5	458.0	458.2
9°	426.4	425.2	428.4	429.4	429.7
10°	397.1	398.4	398.1	401.6	400.1
12.5°	320.7	322.8	325.0	326.5	328.0
15°	252.6	253.9	255.4	258.9	260.4
17.5°	194.3	195.8	197.3	200.3	200.8
20°	148.0	148.7	149.7	152.5	151.7
22.5°	110.7	111.9	112.9	114.2	114.9
25°	83.4	83.4	85.1	85.9	86.4
27.5°	62.1	62.6	63.8	64.9	64.6
30°	46.8	47.6	48.3	48.8	49.1
32.5°	36.1	36.1	36.8	37.6	37.8
35°	27.3	27.8	28.3	28.8	28.8
37.5°	21.3	21.5	22.0	22.3	22.3
40°	16.8	16.8	17.3	17.5	17.5
42.5°	13.3	13.5	13.8	14.0	14.0
45°	10.8	10.8	11.0	11.3	11.3
47.5°	8.8	8.8	9.0	9.3	9.3
50°	7.3	7.5	7.5	7.8	7.8
52.5°	6.3	6.3	6.3	6.5	6.5
55°	5.3	5.3	5.5	5.5	5.5
57.5°	4.5	4.5	4.5	4.8	4.8
60°	4.0	4.0	4.0	4.0	4.0
62.5°	3.5	3.5	3.5	3.5	3.5
65°	3.0	3.0	3.0	3.0	3.0
67.5°	2.5	2.5	2.5	2.8	2.8
70°	2.0	2.3	2.3	2.3	2.3
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.3	1.3	1.3	1.3	1.3
80°	0.8	1.0	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)