

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: P1308588

Luminaire Tested: P3SQAS02R159035DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308588
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R159035DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

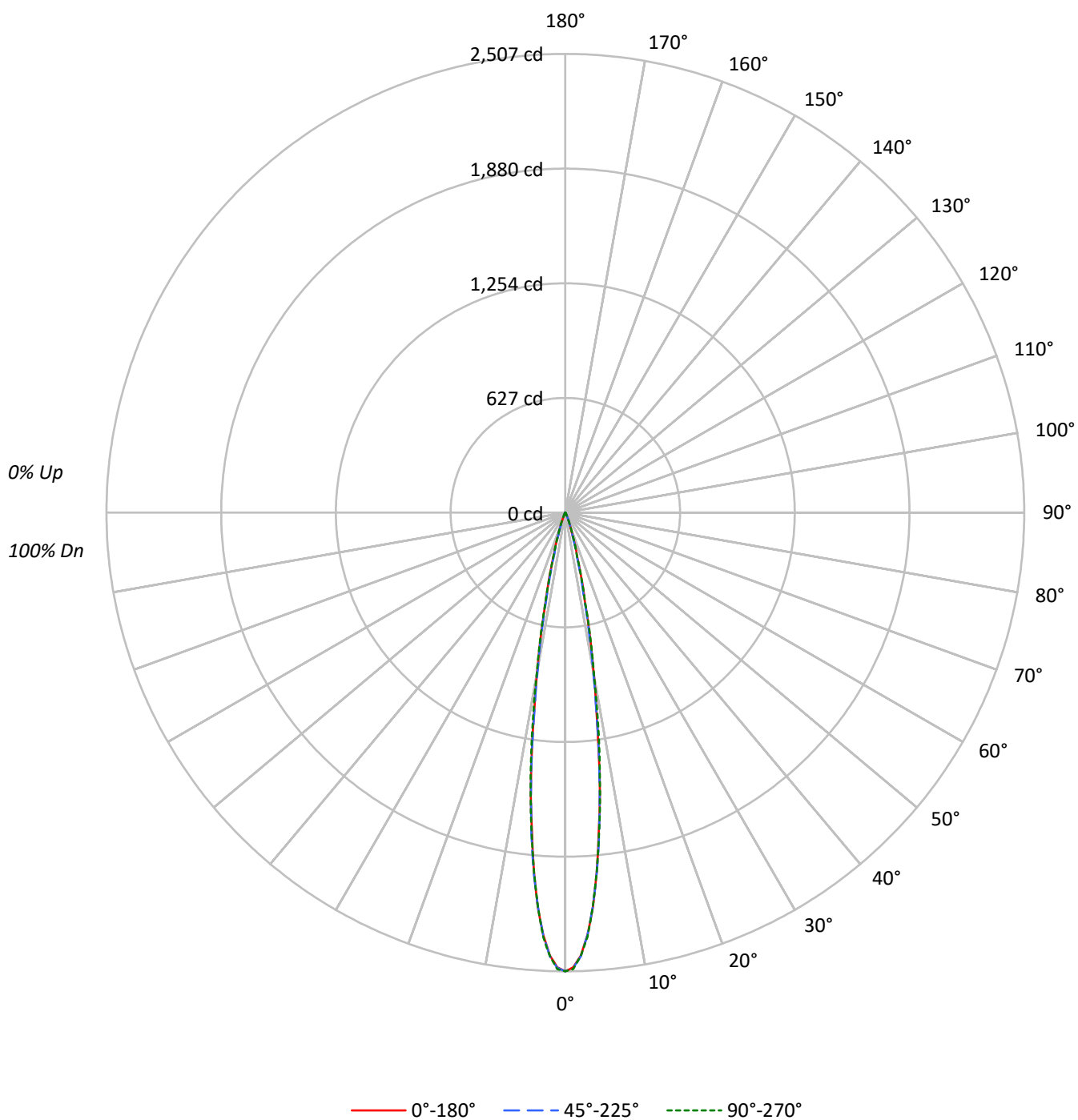
Lumens per Lamp: N/A
Luminaire Lumens: 251.0 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308588

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308588

CATALOG NUMBER: P3SQAS02R159035DE010 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	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	431710	431710	431710
5°	340540	341456	340229
10°	155800	151708	159088
15°	46322	41347	45377
20°	13764	13342	14442
25°	3915	5055	4523
30°	1392	1491	1352
35°	526	484	484
40°	225	112	180
45°	122	73	122
50°	80	0	80
55°	90	0	90
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: 47.5°

Luminance: 127 cd/sqm

TEST NUMBER: P1308588

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	60.3
10°-20°	84.1	33.5
20°-30°	13.4	5.3
30°-40°	1.8	0.7
40°-50°	0.3	0.1
50°-60°	0.1	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°	248.9	99.2
0°-40°	250.7	99.9
0°-60°	251.0	100.0
0°-90°	251.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	251.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2507	2507	2507	2507	2507	
5°	1970	1986	1975	1967	1968	151
15°	260	256	232	246	254	86
25°	21	23	27	26	24	13
35°	2	2	2	2	2	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: P1308588

CATALOG NUMBER: P3SQAS02R159035DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7	2506.7
1°	2485.1	2487.9	2491.4	2488.2	2485.1	2487.9	2484.1	2484.6	2481.6	2488.2	2495.4
2°	2421.9	2425.4	2423.4	2418.9	2425.9	2426.4	2418.6	2414.9	2414.4	2420.9	2423.4
3°	2309.9	2318.0	2318.2	2316.7	2314.4	2309.9	2301.9	2307.2	2299.9	2295.4	2321.0
4°	2161.1	2168.1	2176.4	2170.9	2154.3	2155.8	2161.1	2143.2	2144.2	2154.5	2155.3
5°	1969.8	1991.1	1992.1	1984.3	1971.3	1975.1	1971.3	1966.3	1968.0	1974.6	1968.0
6°	1744.6	1768.7	1750.9	1768.0	1764.2	1769.0	1770.2	1765.0	1768.7	1764.7	1763.4
7°	1550.1	1531.7	1534.3	1527.2	1534.8	1539.8	1542.8	1533.8	1541.0	1552.6	1555.8
8°	1308.8	1303.6	1298.3	1310.8	1307.3	1313.4	1317.1	1327.2	1326.7	1330.2	1341.7
9°	1079.2	1086.9	1091.7	1080.7	1090.2	1071.6	1078.1	1105.0	1098.0	1105.0	1125.6
10°	890.9	897.2	890.1	889.9	879.8	867.5	866.8	876.8	897.9	914.5	909.7
12.5°	491.5	497.0	497.8	497.3	479.2	458.9	462.6	470.7	483.7	489.2	498.3
15°	259.8	259.6	262.3	254.5	245.0	231.9	233.0	244.0	253.8	256.3	254.5
17.5°	133.3	133.8	135.8	133.8	123.8	125.0	127.8	129.0	134.8	137.1	135.8
20°	75.1	75.3	75.1	75.8	71.8	72.8	76.3	76.6	77.8	79.1	78.8
22.5°	42.9	43.2	44.7	44.2	43.2	44.4	45.2	46.4	46.9	46.4	47.9
25°	20.6	20.8	20.8	23.8	25.4	26.6	27.1	26.6	26.1	24.1	23.8
27.5°	11.8	11.8	12.3	12.6	13.1	15.3	15.1	12.6	10.5	10.5	10.8
30°	7.0	6.8	6.8	7.0	7.3	7.5	7.0	6.8	6.8	7.0	6.8
32.5°	4.3	4.3	4.3	4.0	4.0	3.8	3.8	4.3	4.3	4.3	4.3
35°	2.5	2.5	2.5	2.5	2.3	2.3	2.3	2.5	2.5	2.3	2.3
37.5°	1.5	1.5	1.5	1.3	1.3	1.0	1.3	1.3	1.3	1.3	1.3
40°	1.0	1.0	0.8	0.8	0.5	0.5	0.5	0.8	0.8	0.8	0.8
42.5°	0.8	0.8	0.5	0.5	0.3	0.3	0.3	0.5	0.5	0.5	0.5
45°	0.5	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5
47.5°	0.5	0.5	0.3	0.3	0.0	0.0	0.0	0.3	0.3	0.3	0.3
50°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
52.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
55°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)