

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: P1314484

Luminaire Tested: P3SQAS17R159735DE010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314484
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: P3SQAS17R159735DE010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

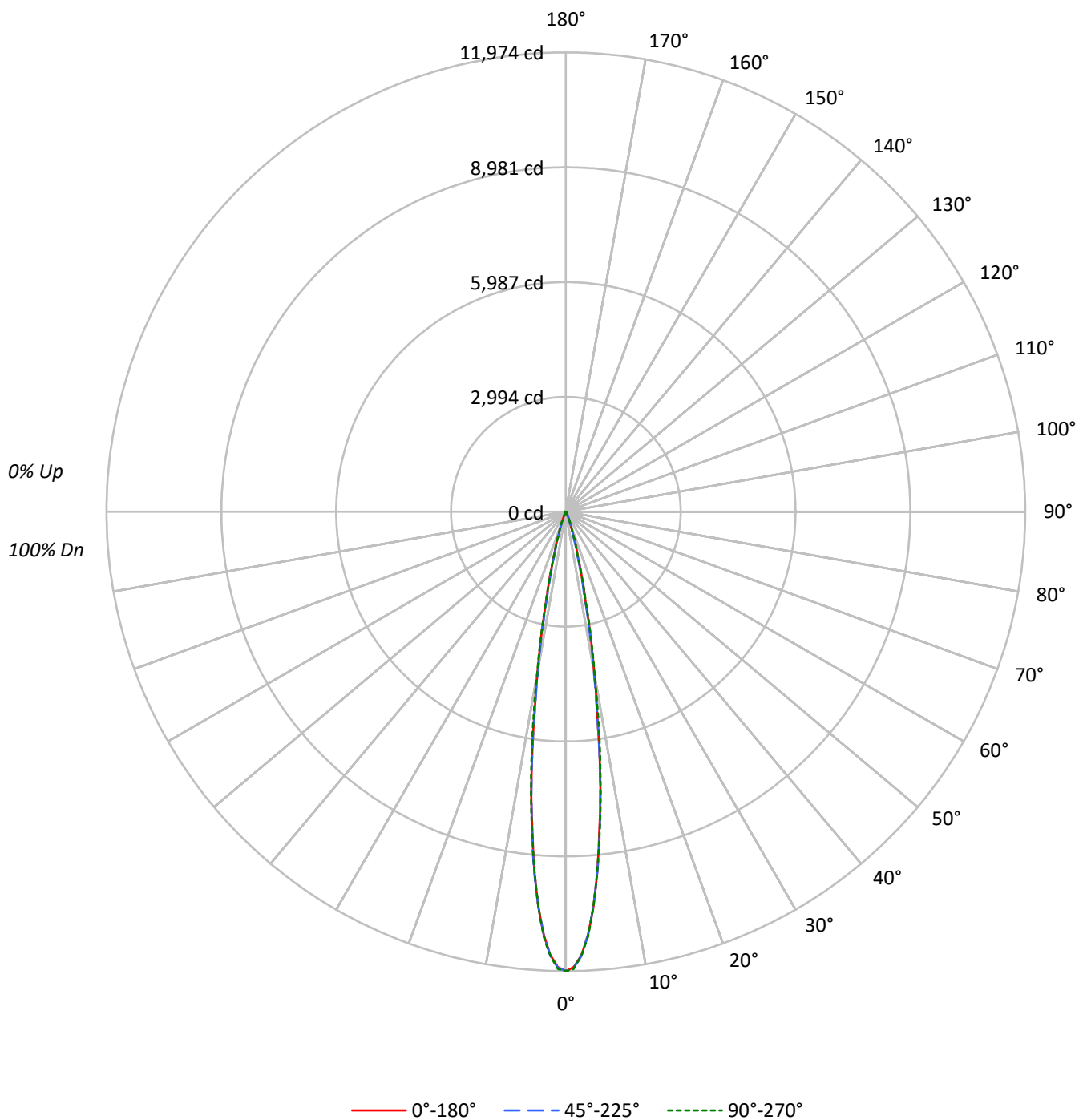
Lumens per Lamp: N/A
Luminaire Lumens: 1199.0 lumens
Efficiency: N/A
Efficacy: 56.6 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1314484

CATALOG NUMBER: P3SQAS17R159735DE010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314484

CATALOG NUMBER: P3SQAS17R159735DE010 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2062263	2062263	2062263
5°	1626719	1631058	1625267
10°	744234	724718	759956
15°	221286	197554	216793
20°	65704	63725	69003
25°	18680	24152	21644
30°	6682	7159	6443
35°	2523	2271	2271
40°	1079	540	809
45°	585	292	585
50°	322	0	322
55°	360	0	360
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: 612 cd/sqm

TEST NUMBER: P1314484

CATALOG NUMBER: P3SQAS17R159735DE010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	723.5	60.3
10°-20°	401.7	33.5
20°-30°	63.9	5.3
30°-40°	8.4	0.7
40°-50°	1.2	0.1
50°-60°	0.3	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°	1189.1	99.2
0°-40°	1197.5	99.9
0°-60°	1199.0	100.0
0°-90°	1199.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1199.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11974	11974	11974	11974	11974	
5°	9410	9488	9435	9395	9401	722
15°	1241	1225	1108	1177	1216	409
25°	98	110	127	126	114	60
35°	12	12	11	12	11	9
45°	2	2	1	1	2	2
55°	1	0	0	0	1	1
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: P1314484

CATALOG NUMBER: P3SQAS17R159735DE010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11974.4	11974.4	11974.4	11974.4	11974.4	11974.4	11974.4	11974.4	11974.4	11974.4	11974.4
1°	11871.2	11884.4	11901.2	11885.6	11871.2	11884.4	11866.4	11868.8	11854.5	11885.6	11920.4
2°	11569.1	11585.9	11576.3	11554.7	11588.3	11590.6	11553.5	11535.5	11533.1	11564.3	11576.3
3°	11034.3	11072.6	11073.8	11066.6	11055.8	11034.3	10995.9	11021.1	10986.3	10964.7	11087.0
4°	10323.2	10356.8	10396.3	10369.9	10290.8	10298.0	10323.2	10238.0	10242.8	10292.0	10295.6
5°	9409.5	9511.4	9516.2	9479.0	9416.7	9434.6	9416.7	9392.7	9401.1	9432.2	9401.1
6°	8333.9	8449.0	8363.8	8445.4	8427.4	8450.2	8456.2	8431.0	8449.0	8429.8	8423.8
7°	7404.5	7317.0	7329.0	7295.4	7331.4	7355.4	7369.8	7326.6	7361.4	7416.5	7432.1
8°	6252.2	6227.0	6201.8	6261.8	6245.0	6273.8	6291.8	6339.7	6337.3	6354.1	6409.3
9°	5155.0	5192.2	5215.0	5162.2	5207.8	5119.0	5150.2	5278.5	5244.9	5278.5	5376.8
10°	4255.7	4285.6	4252.1	4250.9	4202.9	4144.1	4140.5	4188.5	4289.2	4368.4	4345.6
12.5°	2347.9	2374.2	2377.8	2375.4	2289.1	2192.0	2210.0	2248.3	2310.7	2337.1	2380.2
15°	1241.1	1239.9	1253.1	1215.9	1170.3	1108.0	1112.8	1165.5	1212.3	1224.3	1215.9
17.5°	636.7	639.1	648.7	639.1	591.2	597.2	610.3	616.3	643.9	654.7	648.7
20°	358.5	359.7	358.5	362.1	342.9	347.7	364.5	365.7	371.7	377.7	376.5
22.5°	205.0	206.2	213.4	211.0	206.2	212.2	215.8	221.8	224.2	221.8	229.0
25°	98.3	99.5	99.5	113.9	121.1	127.1	129.5	127.1	124.7	115.1	113.9
27.5°	56.4	56.4	58.8	60.0	62.4	73.1	71.9	60.0	50.4	50.4	51.6
30°	33.6	32.4	32.4	33.6	34.8	36.0	33.6	32.4	32.4	33.6	32.4
32.5°	20.4	20.4	20.4	19.2	19.2	18.0	18.0	20.4	20.4	20.4	20.4
35°	12.0	12.0	12.0	12.0	10.8	10.8	10.8	12.0	12.0	10.8	10.8
37.5°	7.2	7.2	7.2	6.0	6.0	4.8	6.0	6.0	6.0	6.0	6.0
40°	4.8	4.8	3.6	3.6	2.4	2.4	2.4	3.6	3.6	3.6	3.6
42.5°	3.6	3.6	2.4	2.4	1.2	1.2	1.2	2.4	2.4	2.4	2.4
45°	2.4	2.4	2.4	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
47.5°	2.4	2.4	1.2	1.2	0.0	0.0	0.0	1.2	1.2	1.2	1.2
50°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
52.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2
55°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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	1.2	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)