

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: P1314706

Luminaire Tested: P3SQAS20R359735D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359735D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

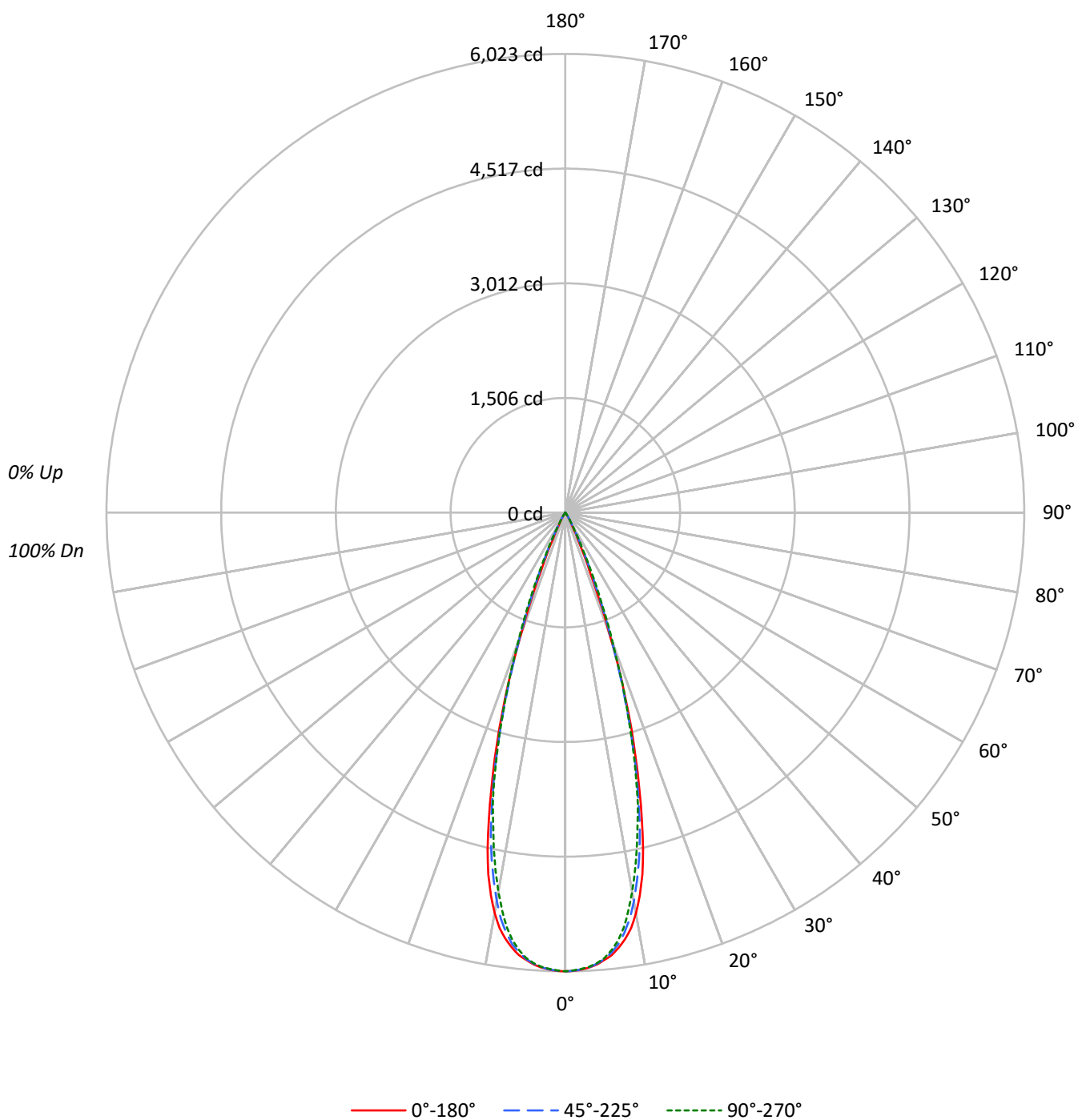
Lumens per Lamp: N/A
Luminaire Lumens: 1828.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1314706

CATALOG NUMBER: P3SQAS20R359735D010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1314706

CATALOG NUMBER: P3SQAS20R359735D010 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	100	99	98
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	94	93	92
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	91	90	89
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	88	87	86
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	84	83
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	81	80
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	80	79	78
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	77	76	75
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	75	74	73
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	73	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1037228	1037228	1037228
5°	1019424	1017246	1015068
10°	934276	906190	884173
15°	668992	647667	639805
20°	310212	320897	332150
25°	73597	104724	109208
30°	21597	24739	27861
35°	4962	7947	7274
40°	1057	2113	1416
45°	390	390	390
50°	429	0	429
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: 453 cd/sqm

TEST NUMBER: P1314706

CATALOG NUMBER: P3SQAS20R359735D010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	540.7	29.6
10°-20°	966.6	52.9
20°-30°	290.8	15.9
30°-40°	27.8	1.5
40°-50°	1.9	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°	1798.2	98.4
0°-40°	1826.0	99.9
0°-60°	1828.0	100.0
0°-90°	1828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6023	6023	6023	6023	6023	
5°	5897	5895	5884	5876	5872	547
15°	3752	3724	3632	3617	3588	991
25°	387	427	551	575	575	249
35°	24	32	38	41	35	22
45°	2	2	2	2	2	2
55°	0	0	0	0	0	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: P1314706

CATALOG NUMBER: P3SQAS20R359735D010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6022.6	6022.6	6022.6	6022.6	6022.6
1°	6019.5	6019.5	6016.3	6016.3	6010.0
2°	6005.3	6006.9	6000.6	5999.0	5994.3
3°	5983.3	5978.5	5978.5	5975.4	5972.2
4°	5948.6	5939.2	5936.0	5937.6	5931.3
5°	5896.7	5895.1	5884.1	5876.2	5871.5
6°	5840.0	5829.0	5805.3	5784.9	5780.1
7°	5755.0	5731.3	5710.9	5668.4	5662.1
8°	5651.0	5613.2	5569.2	5509.3	5506.2
9°	5523.5	5462.1	5400.7	5320.4	5292.0
10°	5342.4	5285.7	5181.8	5111.0	5055.9
11°	5117.3	5046.4	4925.2	4840.1	4794.5
12°	4862.2	4796.1	4654.3	4577.2	4512.6
13°	4534.7	4479.6	4347.3	4262.3	4211.9
14°	4155.2	4114.3	3988.3	3950.5	3933.2
15°	3752.1	3723.8	3632.5	3616.7	3588.4
17.5°	2761.7	2714.5	2662.6	2672.0	2681.4
20°	1692.6	1758.8	1750.9	1785.5	1812.3
22.5°	844.0	929.0	1028.2	1088.0	1117.9
25°	387.3	426.7	551.1	574.7	574.7
27.5°	195.2	204.7	259.8	264.5	277.1
30°	108.6	116.5	124.4	138.6	140.1
32.5°	55.1	64.6	67.7	75.6	72.4
35°	23.6	31.5	37.8	40.9	34.6
37.5°	11.0	14.2	20.5	18.9	14.2
40°	4.7	6.3	9.4	7.9	6.3
42.5°	3.1	3.1	4.7	3.1	3.1
45°	1.6	1.6	1.6	1.6	1.6
47.5°	1.6	1.6	0.0	1.6	1.6
50°	1.6	0.0	0.0	0.0	1.6
52.5°	1.6	0.0	0.0	0.0	1.6
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: P1314706

CATALOG NUMBER: P3SQAS20R359735D010 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)