

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: P1316520

Luminaire Tested: P3SQAS20R259827D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316520
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259827D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

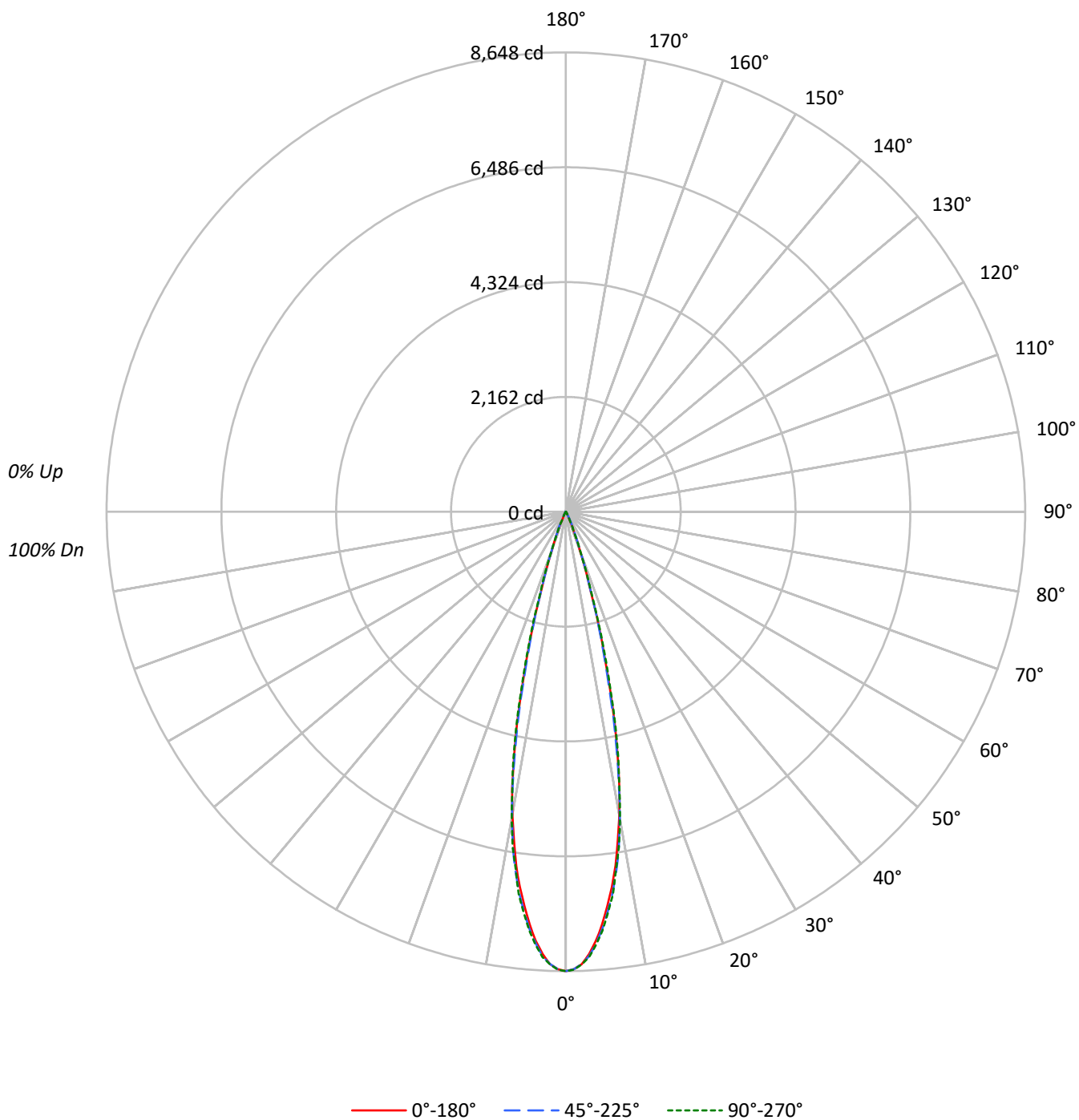
Lumens per Lamp: N/A
Luminaire Lumens: 1596.0 lumens
Efficiency: N/A
Efficacy: 58.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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: P1316520

CATALOG NUMBER: P3SQAS20R259827D010 E3SQPH1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316520

CATALOG NUMBER: P3SQAS20R259827D010 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	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1489381	1489381	1489381
5°	1349661	1361970	1368609
10°	1014616	1021838	1026560
15°	502390	487413	519899
20°	141874	144238	145796
25°	24608	46519	29207
30°	9625	9904	10182
35°	2985	3301	3301
40°	967	1281	967
45°	682	341	682
50°	375	0	375
55°	420	0	420
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: 45°

Luminance: 682 cd/sqm

TEST NUMBER: P1316520

CATALOG NUMBER: P3SQAS20R259827D010 E3SQPH1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.0	43.0
10°-20°	774.7	48.5
20°-30°	120.2	7.5
30°-40°	12.2	0.8
40°-50°	1.6	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°	1581.9	99.1
0°-40°	1594.1	99.9
0°-60°	1596.0	100.0
0°-90°	1596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8648	8648	8648	8648	8648	
5°	7807	7821	7878	7909	7916	680
15°	2818	2798	2734	2856	2916	772
25°	130	192	245	186	154	109
35°	14	16	16	17	16	11
45°	3	1	1	1	3	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: P1316520

CATALOG NUMBER: P3SQAS20R259827D010 E3SQPH1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8648.0	8648.0	8648.0	8648.0	8648.0
1°	8612.4	8623.8	8611.0	8625.2	8623.8
2°	8522.7	8534.1	8518.5	8527.0	8527.0
3°	8339.2	8363.3	8377.6	8387.5	8396.1
4°	8097.2	8124.3	8145.6	8171.2	8171.2
5°	7806.9	7821.2	7878.1	7909.4	7916.5
6°	7461.1	7518.0	7560.7	7623.4	7584.9
7°	7115.3	7162.3	7222.0	7232.0	7259.0
8°	6722.6	6772.4	6827.9	6817.9	6795.1
9°	6244.4	6317.0	6382.4	6361.1	6389.6
10°	5801.8	5845.9	5843.1	5821.8	5870.1
11°	5288.1	5298.1	5242.6	5329.4	5276.7
12°	4679.0	4687.6	4616.4	4701.8	4755.9
13°	4095.6	4075.7	3977.5	4089.9	4158.2
14°	3423.9	3431.0	3305.8	3523.5	3506.4
15°	2817.7	2797.7	2733.7	2856.1	2915.9
17.5°	1501.3	1514.1	1498.5	1559.7	1598.1
20°	774.1	795.5	787.0	812.6	795.5
22.5°	401.3	431.2	439.7	419.8	365.7
25°	129.5	192.1	244.8	186.4	153.7
27.5°	78.3	76.8	119.5	82.5	84.0
30°	48.4	47.0	49.8	49.8	51.2
32.5°	27.0	28.5	27.0	29.9	28.5
35°	14.2	15.7	15.7	17.1	15.7
37.5°	8.5	10.0	10.0	10.0	8.5
40°	4.3	5.7	5.7	4.3	4.3
42.5°	2.8	2.8	2.8	2.8	2.8
45°	2.8	1.4	1.4	1.4	2.8
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	1.4	0.0	1.4	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
55°	1.4	0.0	0.0	0.0	1.4
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: P1316520

CATALOG NUMBER: P3SQAS20R259827D010 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)