

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: P1307176

Luminaire Tested: P3SQAS20R259027D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259027D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

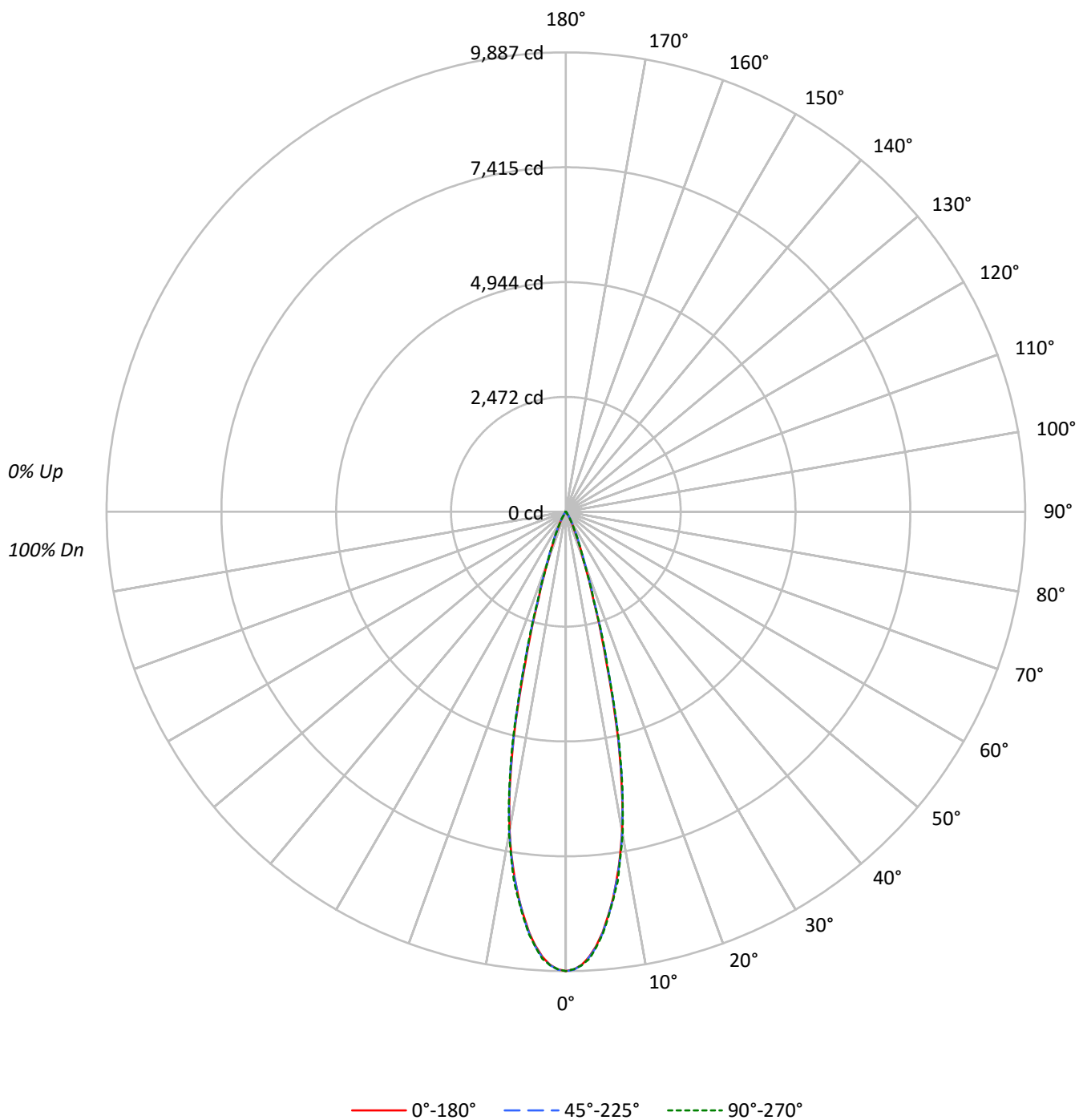
Lumens per Lamp: N/A
Luminaire Lumens: 2058.0 lumens
Efficiency: N/A
Efficacy: 71.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307176

CATALOG NUMBER: P3SQAS20R259027D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307176

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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	115	113	111	110	113	111	110	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	102	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	95	92		96	93	91		94
5	103	97	93	90	101	96	93	90	95	92	89		93	91	89		92
6	100	94	90	87	99	93	90	87	92	89	87		91	88	86		90
7	97	91	87	85	96	91	87	84	90	86	84		89	86	84		88
8	95	89	85	82	94	88	85	82	87	84	82		87	84	82		86
9	93	86	83	80	92	86	82	80	85	82	80		85	82	80		84
10	91	84	81	78	90	84	80	78	83	80	78		83	80	78		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1702765	1702765	1702765
5°	1570049	1573610	1576878
10°	1219050	1223457	1230085
15°	602433	627769	628055
20°	202849	216448	206900
25°	84011	93303	86405
30°	32972	41444	33290
35°	8641	16925	8956
40°	3192	6745	3192
45°	390	1924	390
50°	0	429	0
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: 45°

Vertical Angle: 45°

Luminance: 1924 cd/sqm

TEST NUMBER: P1307176

CATALOG NUMBER: P3SQAS20R259027D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	801.1	38.9
10°-20°	969.0	47.1
20°-30°	236.6	11.5
30°-40°	46.0	2.2
40°-50°	5.2	0.3
50°-60°	0.0	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°	2006.8	97.5
0°-40°	2052.7	99.7
0°-60°	2058.0	100.0
0°-90°	2058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9887	9887	9887	9887	9887	
5°	9082	9094	9102	9142	9121	799
15°	3379	3459	3521	3556	3522	952
25°	442	466	491	470	455	225
35°	41	58	80	58	43	36
45°	2	5	8	5	2	3
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: P1307176

CATALOG NUMBER: P3SQAS20R259027D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9887.0	9887.0	9887.0	9887.0	9887.0
1°	9849.1	9855.4	9857.0	9866.4	9847.5
2°	9759.1	9760.7	9765.4	9784.3	9767.0
3°	9593.3	9604.3	9605.9	9631.2	9635.9
4°	9367.5	9373.8	9386.5	9429.1	9391.2
5°	9081.7	9094.4	9102.3	9141.7	9121.2
6°	8728.1	8731.2	8748.6	8794.4	8766.0
7°	8368.1	8366.5	8368.1	8404.4	8396.5
8°	7933.9	7926.0	7951.3	7995.5	8025.5
9°	7480.7	7491.8	7507.6	7550.2	7515.5
10°	6970.8	7000.8	6996.0	6999.2	7033.9
11°	6383.4	6392.9	6394.5	6427.6	6422.9
12°	5693.5	5693.5	5745.6	5799.2	5781.9
13°	4997.2	5046.1	5011.4	5022.4	5091.9
14°	4185.6	4223.5	4270.9	4315.1	4280.4
15°	3378.8	3459.3	3520.9	3555.6	3522.5
17.5°	1935.7	1962.6	2014.7	2021.0	2000.4
20°	1106.8	1140.0	1181.0	1168.4	1128.9
22.5°	696.3	705.8	746.8	726.3	716.8
25°	442.1	465.8	491.0	470.5	454.7
27.5°	274.7	290.5	317.4	295.3	277.9
30°	165.8	180.0	208.4	178.4	167.4
32.5°	86.8	107.4	131.0	108.9	86.8
35°	41.1	58.4	80.5	58.4	42.6
37.5°	25.3	31.6	48.9	31.6	25.3
40°	14.2	20.5	30.0	20.5	14.2
42.5°	6.3	11.1	14.2	11.1	7.9
45°	1.6	4.7	7.9	4.7	1.6
47.5°	0.0	0.0	4.7	1.6	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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: P1307176

CATALOG NUMBER: P3SQAS20R259027D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)