

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: P1308294

Luminaire Tested: P3SQAS20R259030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308294
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: P3SQAS20R259030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

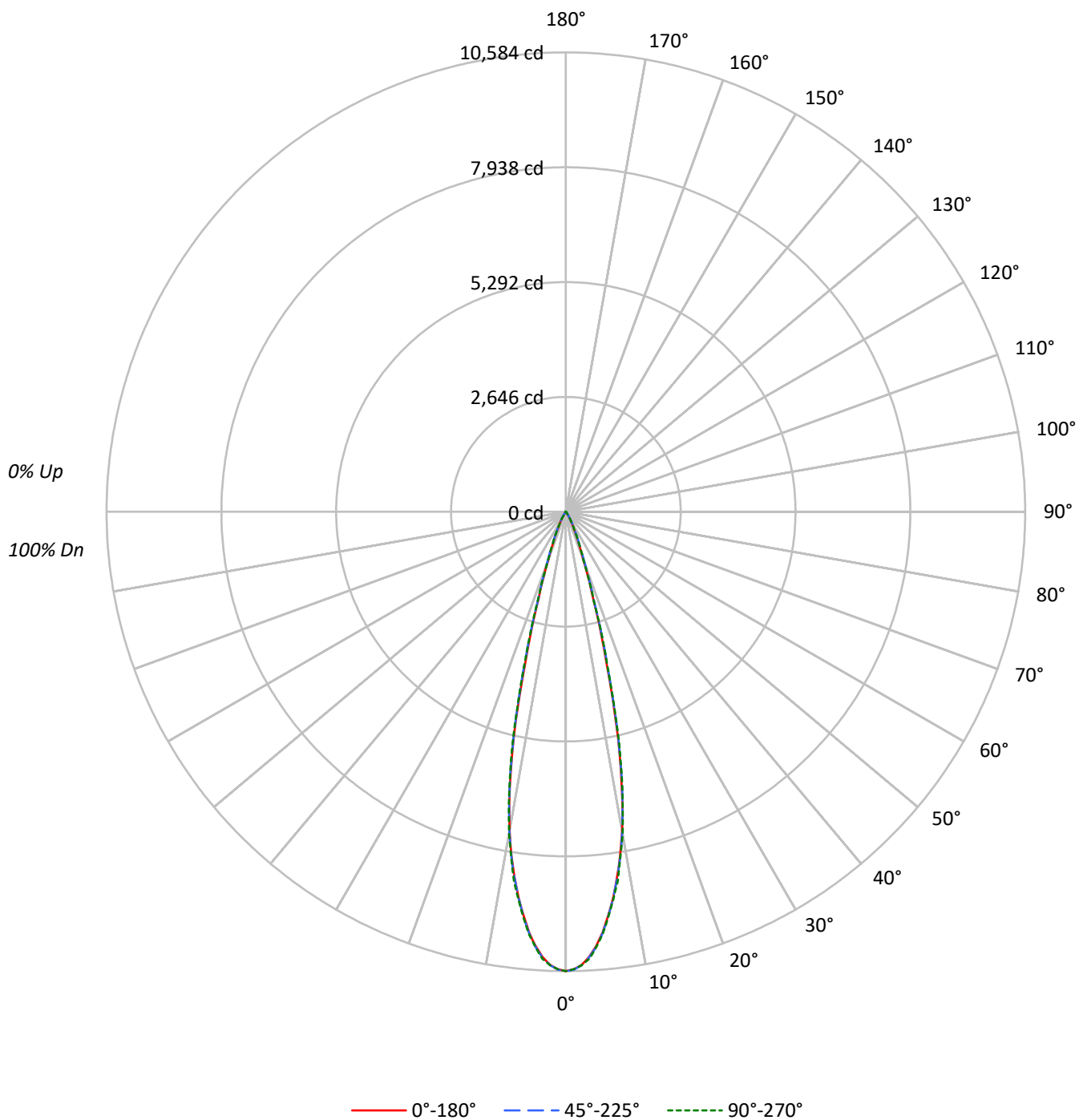
Lumens per Lamp: N/A
Luminaire Lumens: 2203.0 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308294

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308294

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCD1MB

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	99
1	115	113	111	110	113	111	110	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	102	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	95	92	96	93	91	94	92	90	89	88	88
5	103	97	93	90	101	96	93	90	95	92	89	93	91	89	92	90	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	87	91	88	86	90	87	85	84	83	83
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82	81	81
8	95	89	85	82	94	88	85	82	87	84	82	87	84	82	86	83	81	80	79	79
9	93	86	83	80	92	86	82	80	85	82	80	85	82	80	84	81	79	78	77	77
10	91	84	81	78	90	84	80	78	83	80	78	83	80	78	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1822736	1822736	1822736
5°	1680675	1684478	1687988
10°	1304933	1309655	1316755
15°	644886	672005	672308
20°	217145	231697	221470
25°	89921	99878	92505
30°	35299	44367	35637
35°	9230	18123	9587
40°	3417	7217	3417
45°	414	2070	414
50°	0	455	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: 2070 cd/sqm

TEST NUMBER: P1308294

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.6	38.9
10°-20°	1037.3	47.1
20°-30°	253.3	11.5
30°-40°	49.2	2.2
40°-50°	5.6	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°	2148.2	97.5
0°-40°	2197.4	99.7
0°-60°	2203.0	100.0
0°-90°	2203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10584	10584	10584	10584	10584	
5°	9722	9735	9744	9786	9764	855
15°	3617	3703	3769	3806	3771	1019
25°	473	499	526	504	487	241
35°	44	62	86	62	46	39
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: P1308294

CATALOG NUMBER: P3SQAS20R259030D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10583.6	10583.6	10583.6	10583.6	10583.6
1°	10543.0	10549.8	10551.5	10561.6	10541.3
2°	10446.7	10448.4	10453.4	10473.7	10455.1
3°	10269.2	10281.0	10282.7	10309.8	10314.8
4°	10027.5	10034.3	10047.8	10093.4	10052.9
5°	9721.6	9735.1	9743.6	9785.8	9763.9
6°	9343.0	9346.4	9365.0	9414.0	9383.6
7°	8957.7	8956.0	8957.7	8996.5	8988.1
8°	8492.9	8484.4	8511.5	8558.8	8590.9
9°	8007.8	8019.6	8036.6	8082.2	8045.0
10°	7461.9	7494.0	7488.9	7492.3	7529.5
11°	6833.2	6843.3	6845.0	6880.5	6875.4
12°	6094.6	6094.6	6150.4	6207.8	6189.2
13°	5349.2	5401.6	5364.5	5376.3	5450.7
14°	4480.5	4521.1	4571.8	4619.1	4581.9
15°	3616.9	3703.1	3769.0	3806.2	3770.7
17.5°	2072.1	2100.8	2156.6	2163.4	2141.4
20°	1184.8	1220.3	1264.2	1250.7	1208.4
22.5°	745.3	755.5	799.4	777.5	767.3
25°	473.2	498.6	525.6	503.7	486.8
27.5°	294.1	311.0	339.7	316.1	297.5
30°	177.5	192.7	223.1	191.0	179.2
32.5°	93.0	114.9	140.3	116.6	93.0
35°	43.9	62.5	86.2	62.5	45.6
37.5°	27.0	33.8	52.4	33.8	27.0
40°	15.2	22.0	32.1	22.0	15.2
42.5°	6.8	11.8	15.2	11.8	8.5
45°	1.7	5.1	8.5	5.1	1.7
47.5°	0.0	0.0	5.1	1.7	0.0
50°	0.0	0.0	1.7	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: P1308294

CATALOG NUMBER: P3SQAS20R259030D010 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)