

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: P1315643

Luminaire Tested: P3SQAS20R259740D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259740D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

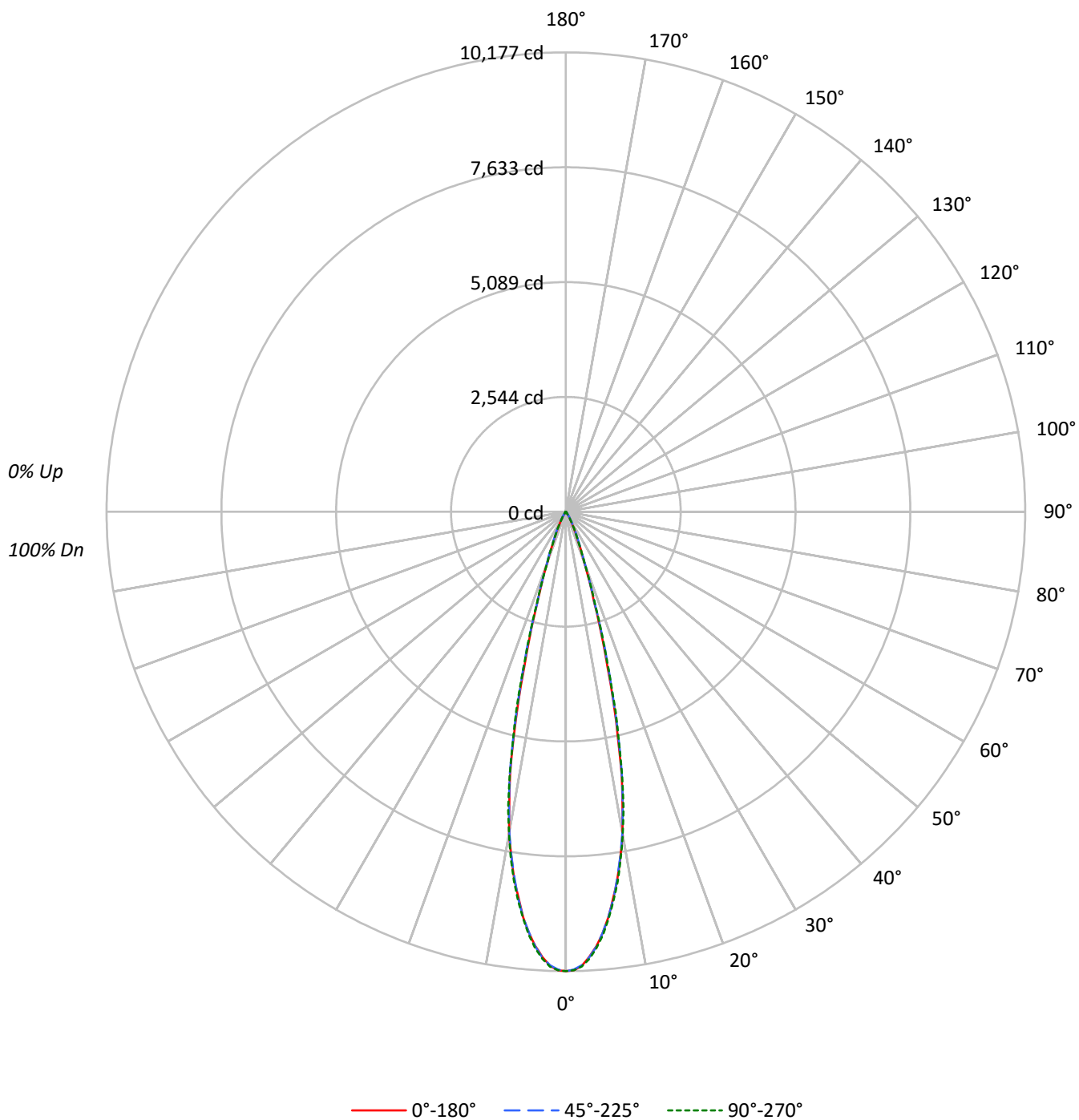
Lumens per Lamp: N/A
Luminaire Lumens: 2150.0 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315643

CATALOG NUMBER: P3SQAS20R259740D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315643

CATALOG NUMBER: P3SQAS20R259740D010 E3SQCD1MW

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	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1752761	1752761	1752761
5°	1618974	1618404	1627462
10°	1264658	1261213	1269800
15°	636221	662805	662217
20°	217695	223706	220096
25°	87488	98377	91213
30°	35517	42358	34543
35°	10323	18607	10323
40°	4789	8094	4789
45°	1607	3191	1607
50°	884	1313	884
55°	991	991	991
60°	1137	1137	1137
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	1587	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3191 cd/sqm

TEST NUMBER: P1315643

CATALOG NUMBER: P3SQAS20R259740D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.7	38.4
10°-20°	1010.6	47.0
20°-30°	246.9	11.5
30°-40°	51.0	2.4
40°-50°	8.9	0.4
50°-60°	3.0	0.1
60°-70°	2.3	0.1
70°-80°	1.5	0.1
80°-90°	0.1	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°	2083.1	96.9
0°-40°	2134.2	99.3
0°-60°	2146.1	99.8
0°-90°	2150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10177	10177	10177	10177	10177	
5°	9365	9373	9361	9381	9414	825
15°	3568	3629	3717	3734	3714	996
25°	460	482	518	488	480	236
35°	49	69	88	67	49	42
45°	7	10	13	10	7	7
55°	3	3	3	3	3	3
65°	2	3	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315643

CATALOG NUMBER: P3SQAS20R259740D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10177.3	10177.3	10177.3	10177.3	10177.3
1°	10157.6	10144.5	10141.2	10142.9	10159.2
2°	10065.9	10057.7	10056.0	10060.9	10083.9
3°	9879.1	9888.9	9892.2	9908.6	9920.0
4°	9649.7	9669.4	9661.2	9680.8	9694.0
5°	9364.7	9372.8	9361.4	9381.0	9413.8
6°	9032.1	9002.6	9030.4	9038.6	9061.6
7°	8617.6	8624.1	8634.0	8643.8	8678.2
8°	8209.6	8190.0	8185.1	8230.9	8258.8
9°	7732.9	7736.2	7718.1	7770.6	7778.8
10°	7231.6	7190.6	7211.9	7252.9	7261.0
11°	6569.7	6558.2	6589.3	6653.2	6704.0
12°	5948.7	5955.3	5988.1	6009.4	5997.9
13°	5127.9	5177.1	5218.1	5239.4	5211.5
14°	4385.8	4385.8	4438.2	4446.4	4546.3
15°	3568.3	3628.9	3717.4	3733.7	3714.1
17.5°	2061.0	2069.2	2111.8	2110.2	2141.3
20°	1187.8	1199.3	1220.6	1215.6	1200.9
22.5°	714.3	738.9	789.7	748.7	737.2
25°	460.4	481.7	517.7	488.2	480.0
27.5°	288.3	303.1	330.9	304.7	291.6
30°	178.6	186.8	213.0	188.4	173.7
32.5°	96.7	118.0	139.3	118.0	96.7
35°	49.1	68.8	88.5	67.2	49.1
37.5°	32.8	39.3	57.3	37.7	32.8
40°	21.3	26.2	36.0	26.2	21.3
42.5°	11.5	16.4	19.7	18.0	11.5
45°	6.6	9.8	13.1	9.8	6.6
47.5°	4.9	4.9	8.2	4.9	3.3
50°	3.3	3.3	4.9	3.3	3.3
52.5°	3.3	3.3	3.3	3.3	3.3
55°	3.3	3.3	3.3	3.3	3.3
57.5°	3.3	3.3	3.3	3.3	3.3
60°	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3
65°	1.6	3.3	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.0	0.0	1.6	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: P1315643

CATALOG NUMBER: P3SQAS20R259740D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)