

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: P1308286

Luminaire Tested: P3SQAS20R209030D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209030D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

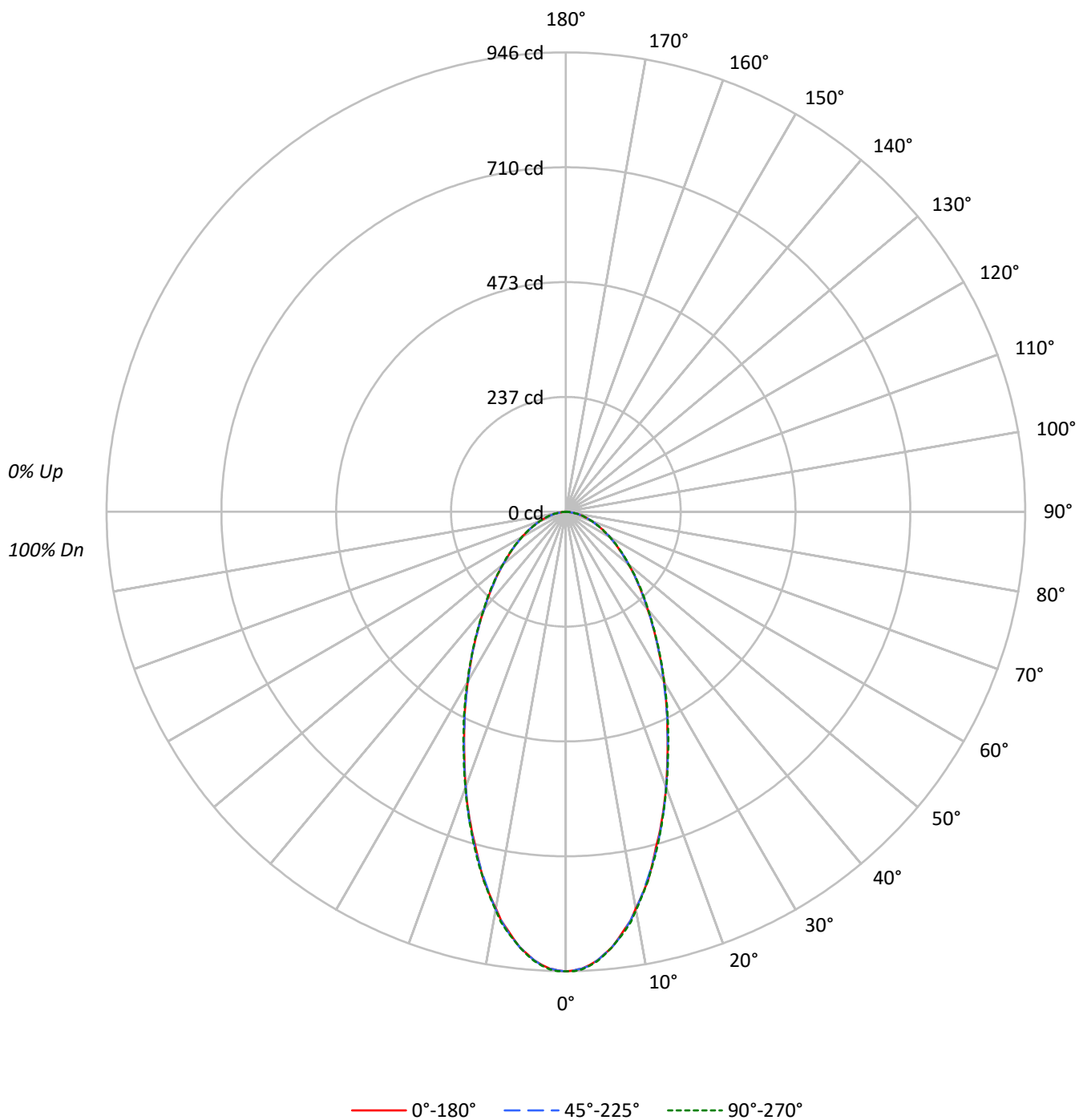
Lumens per Lamp: N/A
Luminaire Lumens: 1132.1 lumens
Efficiency: N/A
Efficacy: 39.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308286

CATALOG NUMBER: P3SQAS20R209030D010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308286

CATALOG NUMBER: P3SQAS20R209030D010 E3SQPHLD1MW

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	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	162992	162992	162992
5°	158065	158065	158359
10°	145115	145412	145710
15°	127768	128357	128660
20°	110570	110570	110882
25°	94101	94101	94747
30°	80322	79984	80660
35°	68582	68582	68939
40°	58903	58903	59263
45°	51464	51464	51854
50°	45280	45280	45280
55°	40085	40085	40595
60°	36098	36098	36098
65°	32357	32357	32357
70°	28954	28954	28954
75°	25885	24754	25885
80°	21819	21819	21819
85°	13437	13437	16796

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 51854 cd/sqm

TEST NUMBER: P1308286

CATALOG NUMBER: P3SQAS20R209030D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	7.5
10°-20°	200.4	17.7
20°-30°	228.2	20.2
30°-40°	204.9	18.1
40°-50°	164.2	14.5
50°-60°	120.6	10.7
60°-70°	78.9	7.0
70°-80°	40.9	3.6
80°-90°	9.5	0.8
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°	513.2	45.3
0°-40°	718.1	63.4
0°-60°	1002.8	88.6
0°-90°	1132.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1132.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	946	946	946	946	946	
5°	914	914	914	914	916	85
15°	717	717	720	720	722	200
25°	495	495	495	497	499	228
35°	326	326	326	326	328	205
45°	211	211	211	211	213	164
55°	134	134	134	134	135	120
65°	79	78	79	79	79	79
75°	39	37	37	39	39	41
85°	7	7	7	8	8	9
90°	0	0	0	0	0	

TEST NUMBER: P1308286

CATALOG NUMBER: P3SQAS20R209030D010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	946.4	946.4	946.4	946.4	946.4
1°	944.7	943.0	944.7	944.7	946.4
2°	941.3	941.3	941.3	939.6	943.0
3°	934.6	934.6	936.3	934.6	936.3
4°	926.1	926.1	926.1	924.4	927.8
5°	914.3	914.3	914.3	914.3	916.0
6°	902.5	900.8	902.5	900.8	902.5
7°	885.6	885.6	887.3	885.6	887.3
8°	868.7	867.0	870.4	868.7	872.0
9°	851.8	850.1	851.8	850.1	855.1
10°	829.8	831.5	831.5	831.5	833.2
12.5°	779.1	775.7	775.7	775.7	779.1
15°	716.6	716.6	719.9	719.9	721.6
17.5°	660.8	659.1	662.5	662.5	662.5
20°	603.3	601.6	603.3	603.3	605.0
22.5°	545.9	547.6	547.6	547.6	549.3
25°	495.2	495.2	495.2	496.9	498.6
27.5°	447.9	446.2	447.9	449.5	451.2
30°	403.9	402.2	402.2	403.9	405.6
32.5°	363.4	361.7	363.4	363.4	365.0
35°	326.2	326.2	326.2	326.2	327.9
37.5°	292.4	292.4	292.4	294.1	294.1
40°	262.0	262.0	262.0	263.6	263.6
42.5°	234.9	234.9	234.9	236.6	238.3
45°	211.3	211.3	211.3	211.3	212.9
47.5°	189.3	189.3	189.3	191.0	191.0
50°	169.0	167.3	169.0	170.7	169.0
52.5°	150.4	150.4	150.4	150.4	152.1
55°	133.5	133.5	133.5	133.5	135.2
57.5°	118.3	118.3	118.3	120.0	120.0
60°	104.8	104.8	104.8	104.8	104.8
62.5°	91.3	91.3	91.3	91.3	91.3
65°	79.4	77.7	79.4	79.4	79.4
67.5°	67.6	67.6	67.6	67.6	67.6
70°	57.5	57.5	57.5	57.5	57.5
72.5°	47.3	47.3	47.3	47.3	47.3
75°	38.9	37.2	37.2	38.9	38.9
77.5°	30.4	28.7	30.4	30.4	30.4
80°	22.0	22.0	22.0	22.0	22.0
82.5°	13.5	13.5	13.5	15.2	15.2
85°	6.8	6.8	6.8	8.5	8.5
87.5°	1.7	1.7	1.7	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)