

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: P1307167

Luminaire Tested: P3SQAS20R209027D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209027D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

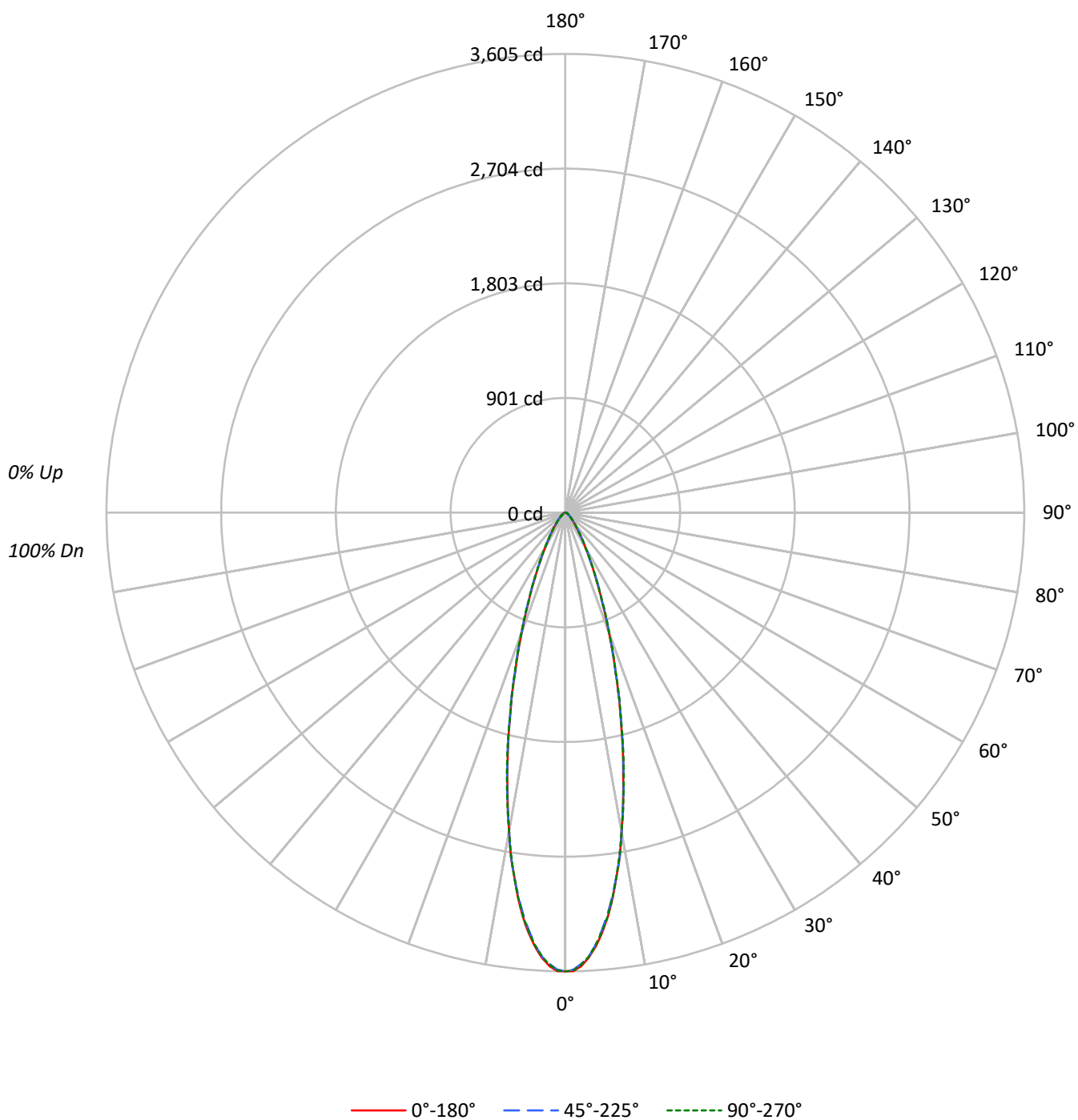
Lumens per Lamp: N/A
Luminaire Lumens: 1267.0 lumens
Efficiency: N/A
Efficacy: 44.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307167

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307167

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHL1MW

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	620914	620914	620914
5°	572822	569555	571474
10°	444526	445068	445068
15°	300450	301859	301859
20°	182469	184778	185658
25°	107042	108543	108239
30°	62444	63697	64015
35°	38159	39148	39148
40°	24820	25180	25540
45°	17293	17682	18072
50°	12673	13102	13102
55°	9939	10419	10419
60°	8680	8680	9231
65°	7702	7702	8354
70°	7150	7150	7150
75°	6321	6321	6321
80°	4661	4661	6248
85°	3162	3162	6323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 18072 cd/sqm

TEST NUMBER: P1307167

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.7	22.9
10°-20°	465.6	36.7
20°-30°	269.6	21.3
30°-40°	120.9	9.5
40°-50°	57.3	4.5
50°-60°	31.4	2.5
60°-70°	19.0	1.5
70°-80°	10.2	0.8
80°-90°	2.2	0.2
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°	1025.9	81.0
0°-40°	1146.8	90.5
0°-60°	1235.5	97.5
0°-90°	1267.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1267.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3605	3605	3605	3605	3605	
5°	3313	3302	3294	3301	3306	292
15°	1685	1685	1693	1685	1693	464
25°	563	563	571	566	570	267
35°	182	183	186	188	186	118
45°	71	71	73	73	74	56
55°	33	33	35	35	35	31
65°	19	19	19	19	20	19
75°	10	10	10	10	10	10
85°	2	2	2	2	3	2
90°	0	0	0	0	0	

TEST NUMBER: P1307167

CATALOG NUMBER: P3SQAS20R209027D010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3605.3	3605.3	3605.3	3605.3	3605.3
1°	3603.8	3594.3	3591.1	3588.0	3597.4
2°	3567.5	3556.4	3550.1	3553.3	3554.8
3°	3502.8	3496.5	3496.5	3491.7	3494.9
4°	3419.2	3406.5	3406.5	3408.1	3408.1
5°	3313.4	3302.4	3294.5	3300.8	3305.6
6°	3195.1	3180.9	3174.6	3176.2	3187.2
7°	3049.9	3031.0	3034.2	3042.1	3042.1
8°	2885.8	2884.3	2887.4	2884.3	2887.4
9°	2734.4	2712.3	2731.2	2715.4	2723.3
10°	2541.9	2540.3	2545.0	2549.8	2545.0
12.5°	2103.2	2111.1	2114.3	2108.0	2122.2
15°	1685.1	1685.1	1693.0	1685.1	1693.0
17.5°	1311.2	1309.6	1315.9	1309.6	1319.1
20°	995.6	1006.7	1008.2	1008.2	1013.0
22.5°	751.0	751.0	757.4	758.9	755.8
25°	563.3	563.3	571.2	566.4	569.6
27.5°	416.5	419.7	426.0	429.2	429.2
30°	314.0	315.6	320.3	321.9	321.9
32.5°	236.7	239.8	243.0	244.6	246.1
35°	181.5	183.0	186.2	187.8	186.2
37.5°	138.8	140.4	143.6	145.2	145.2
40°	110.4	110.4	112.0	113.6	113.6
42.5°	86.8	88.4	88.4	89.9	89.9
45°	71.0	71.0	72.6	72.6	74.2
47.5°	56.8	56.8	58.4	60.0	60.0
50°	47.3	47.3	48.9	48.9	48.9
52.5°	39.4	39.4	41.0	41.0	41.0
55°	33.1	33.1	34.7	34.7	34.7
57.5°	28.4	28.4	30.0	30.0	30.0
60°	25.2	25.2	25.2	25.2	26.8
62.5°	22.1	22.1	22.1	22.1	22.1
65°	18.9	18.9	18.9	18.9	20.5
67.5°	15.8	15.8	15.8	15.8	17.4
70°	14.2	14.2	14.2	14.2	14.2
72.5°	11.0	11.0	11.0	12.6	12.6
75°	9.5	9.5	9.5	9.5	9.5
77.5°	7.9	7.9	7.9	7.9	7.9
80°	4.7	4.7	4.7	6.3	6.3
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	3.2
87.5°	0.0	0.0	0.0	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)