

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: P1309437

Luminaire Tested: P3SQAS20R309035D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309035D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

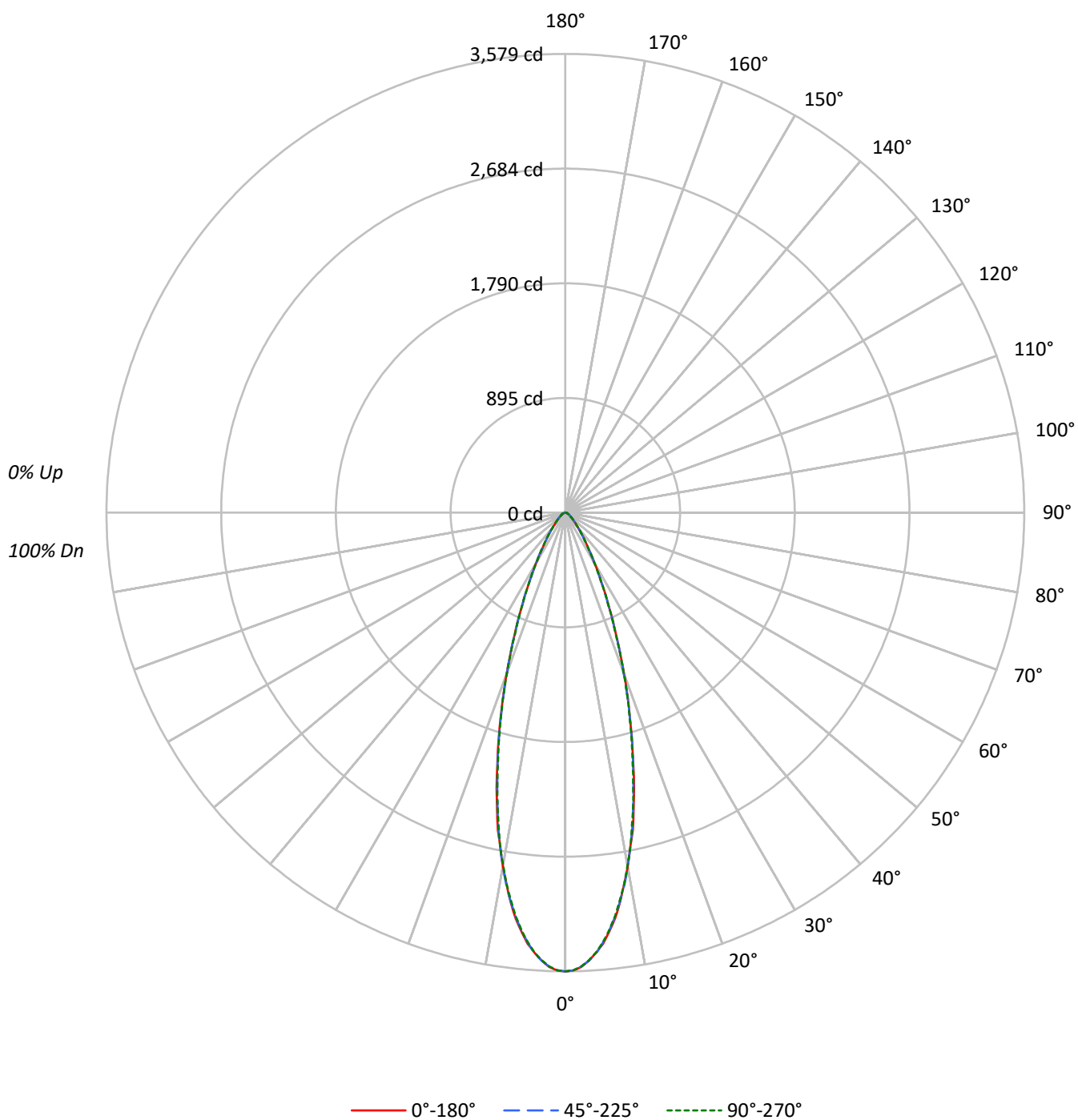
Lumens per Lamp: N/A
Luminaire Lumens: 1572.0 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	616454	616454	616454
5°	583645	582141	581829
10°	490310	490310	488491
15°	365315	364388	362212
20°	244490	243225	243536
25°	150710	150387	151052
30°	90623	90623	90961
35°	55589	55589	55946
40°	35184	35184	35971
45°	24137	24575	24575
50°	17710	17710	17710
55°	13572	14112	14112
60°	11367	11367	11987
65°	9903	9903	9903
70°	8762	9618	9618
75°	8118	8118	8118
80°	6943	6943	6943
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 24575 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	19.3
10°-20°	560.3	35.6
20°-30°	372.5	23.7
30°-40°	172.2	11.0
40°-50°	79.9	5.1
50°-60°	42.7	2.7
60°-70°	24.9	1.6
70°-80°	13.2	0.8
80°-90°	2.8	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°	1236.2	78.6
0°-40°	1408.4	89.6
0°-60°	1531.0	97.4
0°-90°	1572.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1572.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3579	3579	3579	3579	3579	
5°	3376	3369	3367	3376	3366	304
15°	2049	2056	2044	2044	2032	562
25°	793	791	791	791	795	373
35°	264	263	264	266	266	171
45°	99	99	101	101	101	79
55°	45	47	47	47	47	42
65°	24	24	24	24	24	24
75°	12	12	12	12	12	13
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3579.4	3579.4	3579.4	3579.4	3579.4
1°	3572.5	3569.0	3572.5	3577.7	3570.8
2°	3548.1	3544.7	3544.7	3551.6	3544.7
3°	3501.2	3504.7	3502.9	3509.9	3497.7
4°	3442.0	3440.3	3447.3	3450.7	3440.3
5°	3376.0	3369.0	3367.3	3376.0	3365.5
6°	3285.5	3280.3	3276.8	3287.2	3273.3
7°	3188.1	3184.6	3179.4	3182.9	3172.5
8°	3068.1	3066.4	3062.9	3066.4	3054.2
9°	2934.2	2934.2	2941.1	2939.4	2932.4
10°	2803.7	2807.2	2803.7	2807.2	2793.3
11°	2657.6	2657.6	2661.1	2659.4	2661.1
12°	2530.7	2516.7	2513.3	2509.8	2499.4
13°	2367.2	2356.7	2353.3	2356.7	2351.5
14°	2217.6	2210.6	2193.2	2196.7	2189.8
15°	2048.9	2055.8	2043.7	2043.7	2031.5
17.5°	1674.9	1668.0	1671.5	1673.2	1668.0
20°	1334.0	1330.6	1327.1	1323.6	1328.8
22.5°	1036.6	1038.4	1034.9	1031.4	1027.9
25°	793.1	791.4	791.4	791.4	794.9
27.5°	601.8	601.8	601.8	603.5	603.5
30°	455.7	452.2	455.7	457.4	457.4
32.5°	340.9	344.4	346.1	346.1	346.1
35°	264.4	262.6	264.4	266.1	266.1
37.5°	201.8	201.8	203.5	203.5	205.2
40°	156.5	156.5	156.5	158.3	160.0
42.5°	123.5	123.5	125.2	125.2	127.0
45°	99.1	99.1	100.9	100.9	100.9
47.5°	80.0	80.0	81.7	81.7	81.7
50°	66.1	66.1	66.1	66.1	66.1
52.5°	55.7	53.9	55.7	55.7	55.7
55°	45.2	47.0	47.0	47.0	47.0
57.5°	38.3	40.0	40.0	40.0	40.0
60°	33.0	33.0	33.0	34.8	34.8
62.5°	27.8	29.6	29.6	29.6	29.6
65°	24.3	24.3	24.3	24.3	24.3
67.5°	20.9	20.9	20.9	20.9	22.6
70°	17.4	17.4	19.1	19.1	19.1
72.5°	15.7	15.7	15.7	15.7	15.7
75°	12.2	12.2	12.2	12.2	12.2
77.5°	8.7	8.7	10.4	10.4	8.7
80°	7.0	7.0	7.0	7.0	7.0
82.5°	5.2	5.2	5.2	5.2	5.2
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)