

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: P1314712

Luminaire Tested: P3SQAS20R359735D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359735D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

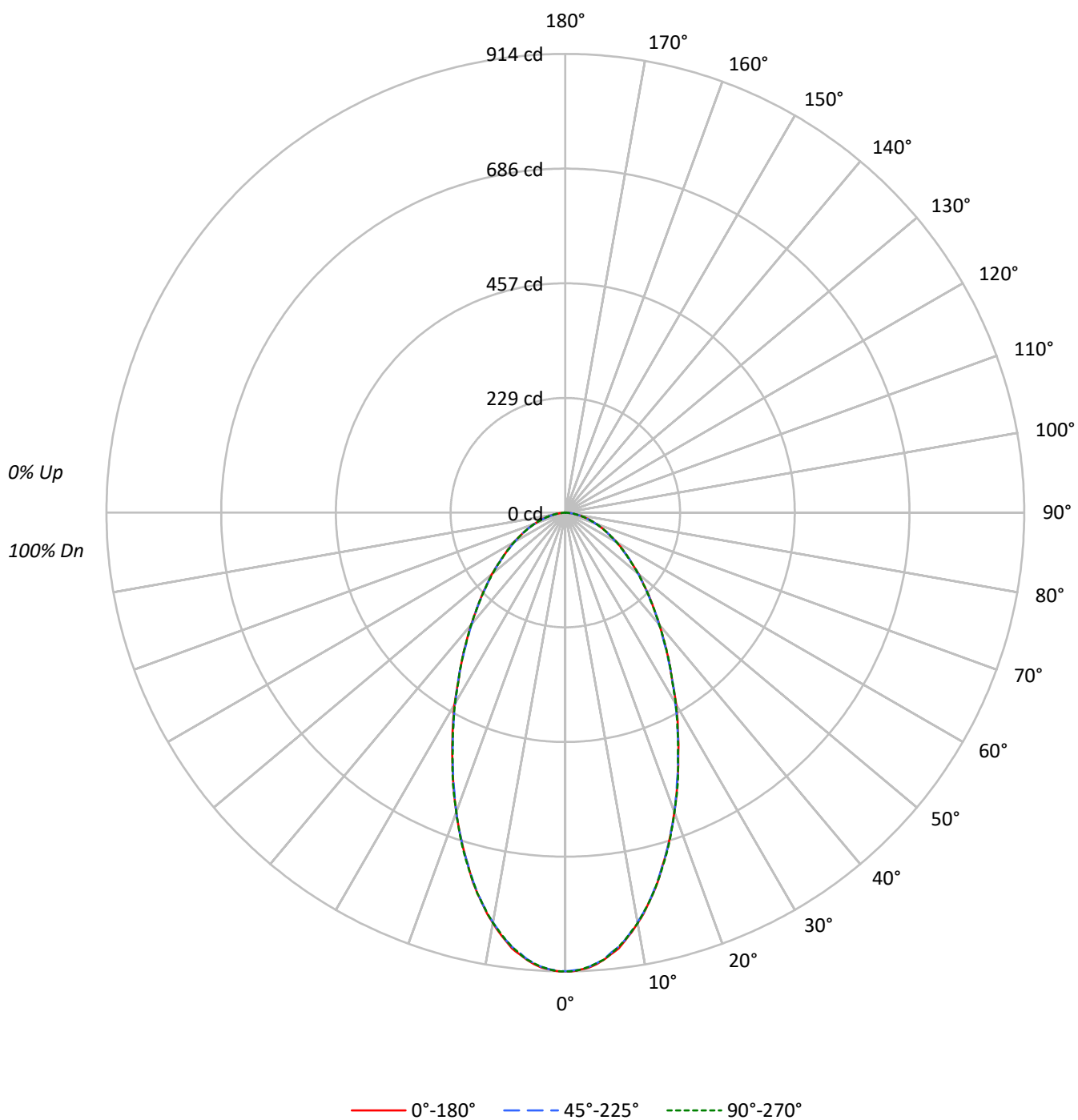
Lumens per Lamp: N/A
Luminaire Lumens: 1221.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	157411	157411	157411
5°	154469	154192	154469
10°	145220	144958	145220
15°	131495	131495	131780
20°	116380	116380	116380
25°	101208	100904	100904
30°	87739	87123	87421
35°	75541	75205	75541
40°	65535	65176	65535
45°	57577	57188	57188
50°	51094	50666	50666
55°	44949	44949	44949
60°	40713	40162	40713
65°	36595	36595	36595
70°	32529	32529	32529
75°	29345	28280	29345
80°	24993	24993	24993
85°	15611	15611	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57577 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	6.8
10°-20°	205.7	16.8
20°-30°	244.4	20.0
30°-40°	224.6	18.4
40°-50°	182.4	14.9
50°-60°	135.0	11.1
60°-70°	89.2	7.3
70°-80°	46.2	3.8
80°-90°	10.4	0.9
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°	533.3	43.7
0°-40°	757.9	62.1
0°-60°	1075.2	88.1
0°-90°	1221.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1221.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	914	914	914	914	914	
5°	894	892	892	892	894	83
15°	738	738	738	738	739	206
25°	533	531	531	533	531	245
35°	359	358	358	359	359	225
45°	236	235	235	235	235	183
55°	150	150	150	150	150	135
65°	90	90	90	90	90	89
75°	44	44	42	44	44	47
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	914.0	914.0	914.0	914.0	914.0
1°	914.0	912.4	912.4	912.4	914.0
2°	910.8	910.8	910.8	910.8	910.8
3°	907.7	906.1	906.1	906.1	906.1
4°	901.4	899.8	899.8	899.8	899.8
5°	893.5	891.9	891.9	891.9	893.5
6°	884.0	882.4	880.9	880.9	882.4
7°	874.6	871.4	871.4	871.4	871.4
8°	860.4	858.8	858.8	858.8	858.8
9°	846.2	843.1	844.6	844.6	844.6
10°	830.4	828.9	828.9	828.9	830.4
11°	814.7	813.1	813.1	811.5	813.1
12°	795.8	795.8	795.8	795.8	795.8
13°	778.4	776.9	776.9	776.9	778.4
14°	759.5	758.0	758.0	758.0	758.0
15°	737.5	737.5	737.5	737.5	739.1
17.5°	687.0	685.5	687.0	687.0	688.6
20°	635.0	633.5	635.0	635.0	635.0
22.5°	583.0	583.0	581.5	583.0	584.6
25°	532.6	531.0	531.0	532.6	531.0
27.5°	485.3	483.8	483.8	483.8	483.8
30°	441.2	438.1	438.1	439.6	439.6
32.5°	395.5	395.5	397.1	395.5	395.5
35°	359.3	357.7	357.7	359.3	359.3
37.5°	323.0	321.5	321.5	323.0	323.0
40°	291.5	291.5	289.9	291.5	291.5
42.5°	261.6	261.6	261.6	261.6	261.6
45°	236.4	234.8	234.8	234.8	234.8
47.5°	211.2	211.2	211.2	209.6	211.2
50°	190.7	189.1	189.1	189.1	189.1
52.5°	168.6	168.6	168.6	168.6	168.6
55°	149.7	149.7	149.7	149.7	149.7
57.5°	133.9	132.4	132.4	132.4	132.4
60°	118.2	118.2	116.6	118.2	118.2
62.5°	102.4	102.4	102.4	102.4	102.4
65°	89.8	89.8	89.8	89.8	89.8
67.5°	77.2	77.2	77.2	77.2	77.2
70°	64.6	64.6	64.6	64.6	64.6
72.5°	55.2	53.6	53.6	53.6	53.6
75°	44.1	44.1	42.5	44.1	44.1
77.5°	33.1	33.1	33.1	33.1	33.1
80°	25.2	25.2	25.2	23.6	25.2
82.5°	15.8	15.8	15.8	15.8	15.8
85°	7.9	7.9	7.9	7.9	7.9
87.5°	1.6	1.6	1.6	3.2	3.2



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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)