

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: P1307219

Luminaire Tested: P3SQAS20R359027D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307219
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: P3SQAS20R359027D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

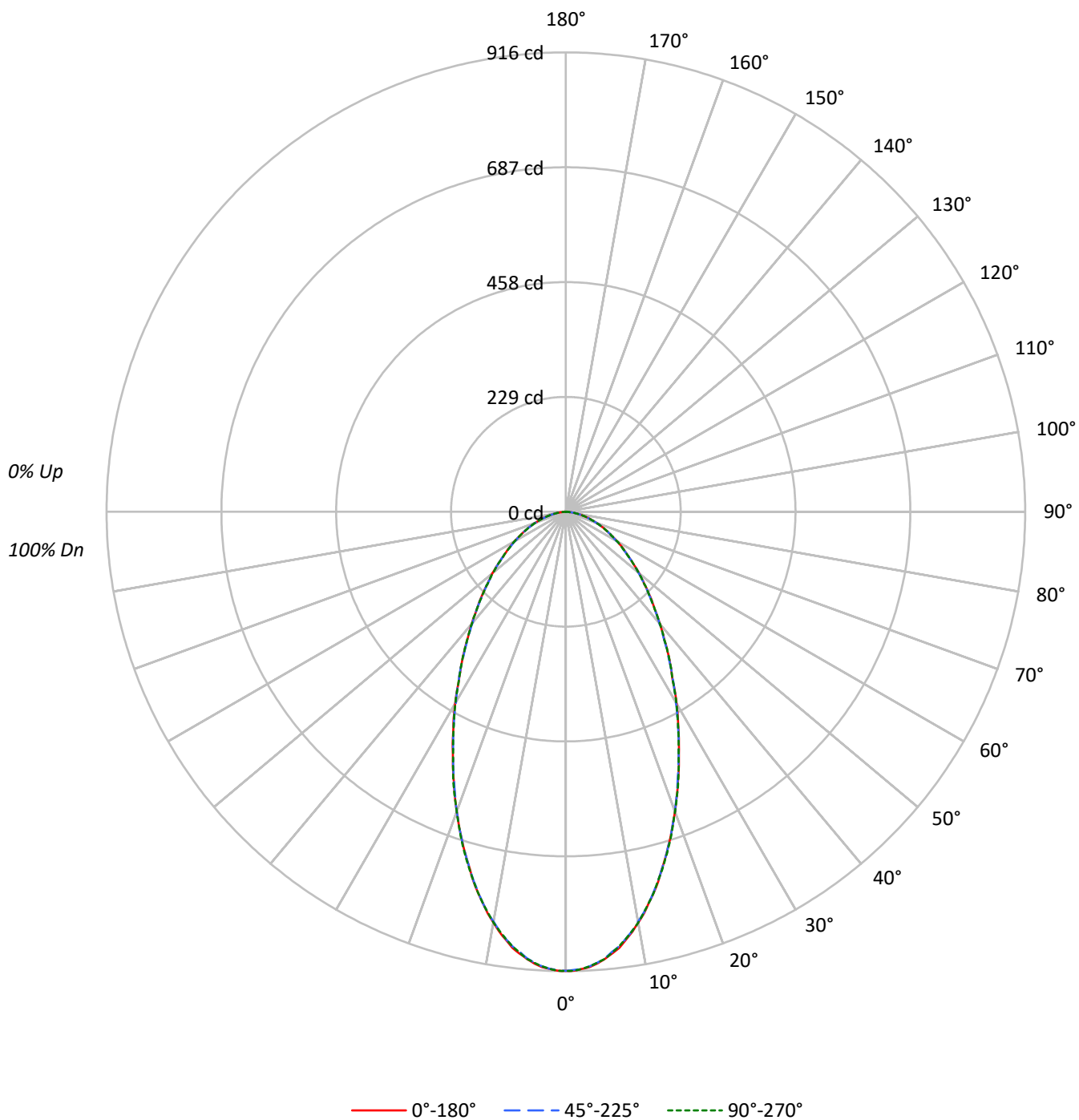
Lumens per Lamp: N/A
Luminaire Lumens: 1223.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	157670	157670	157670
5°	154711	154451	154711
10°	145465	145185	145465
15°	131709	131709	131994
20°	116582	116582	116582
25°	101379	101075	101075
30°	87879	87262	87580
35°	75667	75331	75667
40°	65648	65288	65648
45°	57675	57285	57285
50°	51175	50746	50746
55°	45009	45009	45009
60°	40782	40231	40782
65°	36676	36676	36676
70°	32579	32579	32579
75°	29411	28347	29411
80°	25092	25092	25092
85°	15611	15611	15611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.3	6.8
10°-20°	206.1	16.8
20°-30°	244.8	20.0
30°-40°	225.0	18.4
40°-50°	182.7	14.9
50°-60°	135.2	11.1
60°-70°	89.3	7.3
70°-80°	46.3	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°	534.2	43.7
0°-40°	759.2	62.1
0°-60°	1077.0	88.1
0°-90°	1223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	916	916	916	916	916	
5°	895	893	893	893	895	83
15°	739	739	739	739	740	206
25°	534	532	532	534	532	245
35°	360	358	358	360	360	225
45°	237	235	235	235	235	183
55°	150	150	150	150	150	136
65°	90	90	90	90	90	89
75°	44	44	43	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°	915.5	915.5	915.5	915.5	915.5
1°	915.5	913.9	913.9	913.9	915.5
2°	912.3	912.3	912.3	912.3	912.3
3°	909.1	907.6	907.6	907.6	907.6
4°	902.8	901.3	901.3	901.3	901.3
5°	894.9	893.4	893.4	893.4	894.9
6°	885.5	883.9	882.3	882.3	883.9
7°	876.0	872.8	872.8	872.8	872.8
8°	861.8	860.2	860.2	860.2	860.2
9°	847.6	844.4	846.0	846.0	846.0
10°	831.8	830.2	830.2	830.2	831.8
11°	816.0	814.4	814.4	812.9	814.4
12°	797.1	797.1	797.1	797.1	797.1
13°	779.7	778.1	778.1	778.1	779.7
14°	760.8	759.2	759.2	759.2	759.2
15°	738.7	738.7	738.7	738.7	740.3
17.5°	688.2	686.6	688.2	688.2	689.8
20°	636.1	634.5	636.1	636.1	636.1
22.5°	584.0	584.0	582.4	584.0	585.6
25°	533.5	531.9	531.9	533.5	531.9
27.5°	486.1	484.6	484.6	484.6	484.6
30°	441.9	438.8	438.8	440.4	440.4
32.5°	396.2	396.2	397.8	396.2	396.2
35°	359.9	358.3	358.3	359.9	359.9
37.5°	323.6	322.0	322.0	323.6	323.6
40°	292.0	292.0	290.4	292.0	292.0
42.5°	262.0	262.0	262.0	262.0	262.0
45°	236.8	235.2	235.2	235.2	235.2
47.5°	211.5	211.5	211.5	209.9	211.5
50°	191.0	189.4	189.4	189.4	189.4
52.5°	168.9	168.9	168.9	168.9	168.9
55°	149.9	149.9	149.9	149.9	149.9
57.5°	134.2	132.6	132.6	132.6	132.6
60°	118.4	118.4	116.8	118.4	118.4
62.5°	102.6	102.6	102.6	102.6	102.6
65°	90.0	90.0	90.0	90.0	90.0
67.5°	77.3	77.3	77.3	77.3	77.3
70°	64.7	64.7	64.7	64.7	64.7
72.5°	55.2	53.7	53.7	53.7	53.7
75°	44.2	44.2	42.6	44.2	44.2
77.5°	33.1	33.1	33.1	33.1	33.1
80°	25.3	25.3	25.3	23.7	25.3
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)