

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: P1311762

Luminaire Tested: P3SQAS24R259050D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259050D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

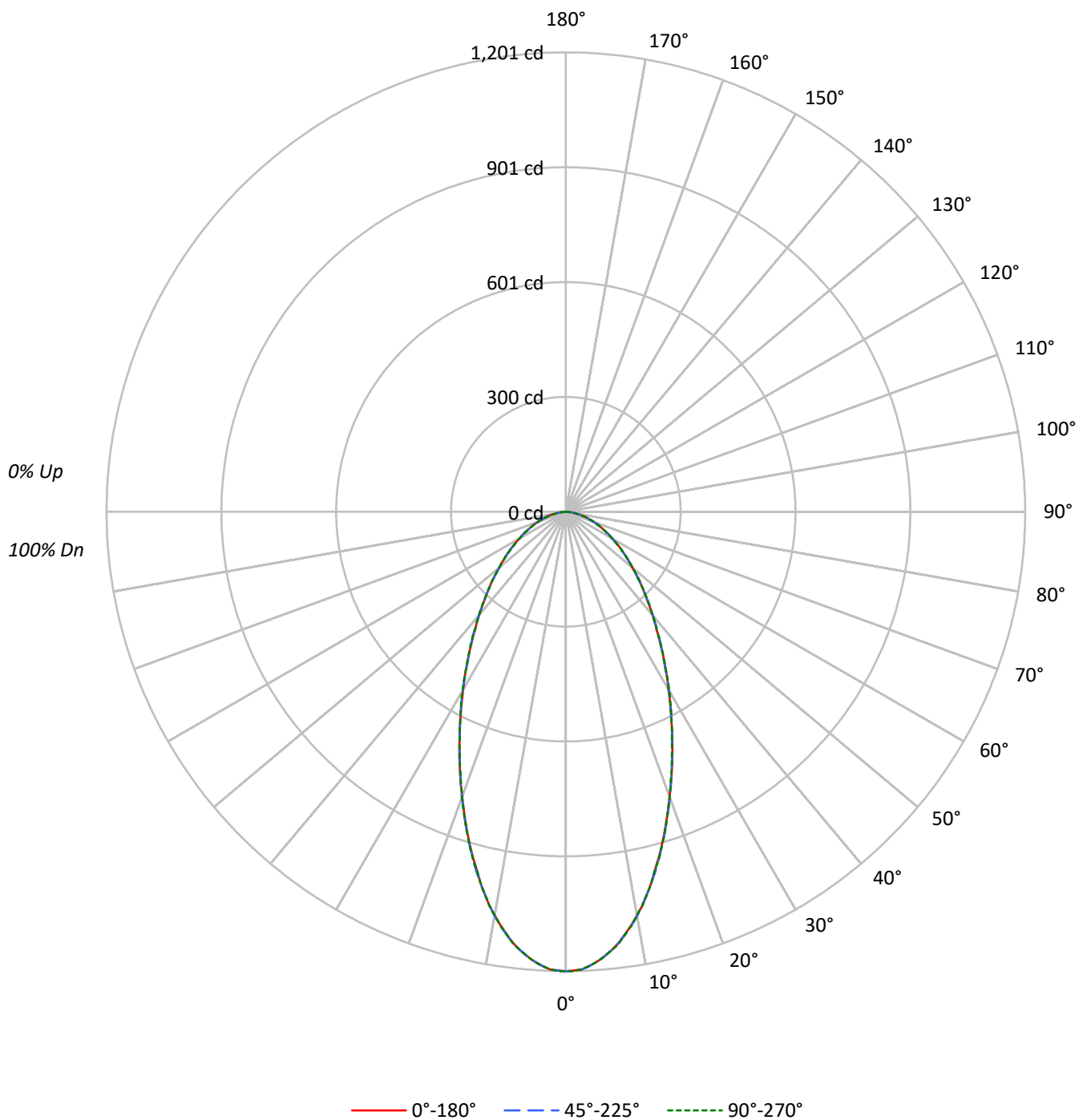
Lumens per Lamp: N/A
Luminaire Lumens: 1504.0 lumens
Efficiency: N/A
Efficacy: 52.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	64	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	206891	206891	206891
5°	201613	201613	201613
10°	187348	187698	187348
15°	167083	167457	167457
20°	145264	145649	145264
25°	125114	124733	124733
30°	106731	107129	107547
35°	91562	91562	92003
40°	79362	79362	79362
45°	69366	69366	69366
50°	60847	60847	61383
55°	54527	54527	54527
60°	48360	48360	48360
65°	43726	43726	43726
70°	39478	38471	39478
75°	35733	34336	34336
80°	28663	28663	28663
85°	20353	20353	20353

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69366 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	7.2
10°-20°	261.4	17.4
20°-30°	302.2	20.1
30°-40°	273.9	18.2
40°-50°	220.8	14.7
50°-60°	162.6	10.8
60°-70°	107.0	7.1
70°-80°	55.2	3.7
80°-90°	12.5	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°	672.0	44.7
0°-40°	945.9	62.9
0°-60°	1329.3	88.4
0°-90°	1504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1166	1170	1166	1166	1166	108
15°	937	939	939	937	939	261
25°	658	656	656	658	656	302
35°	436	436	436	436	438	273
45°	285	285	285	285	285	221
55°	182	182	182	180	182	163
65°	107	107	107	107	107	107
75°	54	52	52	52	52	56
85°	10	10	10	10	10	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.3	1201.3	1201.3	1201.3	1201.3
1°	1199.2	1203.4	1199.2	1199.2	1201.3
2°	1197.2	1199.2	1197.2	1197.2	1197.2
3°	1188.9	1193.0	1188.9	1188.9	1188.9
4°	1178.6	1182.7	1178.6	1178.6	1178.6
5°	1166.2	1170.3	1166.2	1166.2	1166.2
6°	1151.8	1153.8	1151.8	1151.8	1151.8
7°	1135.3	1137.3	1135.3	1135.3	1137.3
8°	1114.6	1116.7	1116.7	1114.6	1114.6
9°	1094.0	1096.0	1096.0	1094.0	1096.0
10°	1071.3	1073.3	1073.3	1071.3	1071.3
11°	1048.6	1050.6	1046.5	1046.5	1048.6
12°	1021.7	1023.8	1021.7	1021.7	1021.7
13°	994.9	994.9	994.9	994.9	994.9
14°	963.9	968.1	968.1	966.0	963.9
15°	937.1	939.2	939.2	937.1	939.2
17.5°	864.9	869.0	866.9	866.9	866.9
20°	792.6	794.7	794.7	792.6	792.6
22.5°	724.5	722.4	722.4	722.4	722.4
25°	658.4	656.4	656.4	658.4	656.4
27.5°	594.5	596.5	596.5	594.5	596.5
30°	536.7	536.7	538.7	536.7	540.8
32.5°	485.1	485.1	483.0	485.1	485.1
35°	435.5	435.5	435.5	435.5	437.6
37.5°	390.1	392.2	394.2	394.2	392.2
40°	353.0	353.0	353.0	353.0	353.0
42.5°	315.8	315.8	317.9	317.9	317.9
45°	284.8	284.8	284.8	284.8	284.8
47.5°	255.9	255.9	253.9	253.9	255.9
50°	227.1	229.1	227.1	227.1	229.1
52.5°	204.3	202.3	202.3	204.3	204.3
55°	181.6	181.6	181.6	179.6	181.6
57.5°	161.0	161.0	158.9	158.9	158.9
60°	140.4	140.4	140.4	140.4	140.4
62.5°	123.8	123.8	123.8	123.8	123.8
65°	107.3	107.3	107.3	107.3	107.3
67.5°	92.9	92.9	92.9	92.9	90.8
70°	78.4	78.4	76.4	76.4	78.4
72.5°	64.0	64.0	64.0	64.0	64.0
75°	53.7	51.6	51.6	51.6	51.6
77.5°	41.3	41.3	39.2	41.3	39.2
80°	28.9	28.9	28.9	28.9	28.9
82.5°	20.6	18.6	18.6	18.6	18.6
85°	10.3	10.3	10.3	10.3	10.3
87.5°	2.1	2.1	2.1	2.1	4.1



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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)