

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: P1309550

Luminaire Tested: P3SQAS24R209035D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309550
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R209035D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

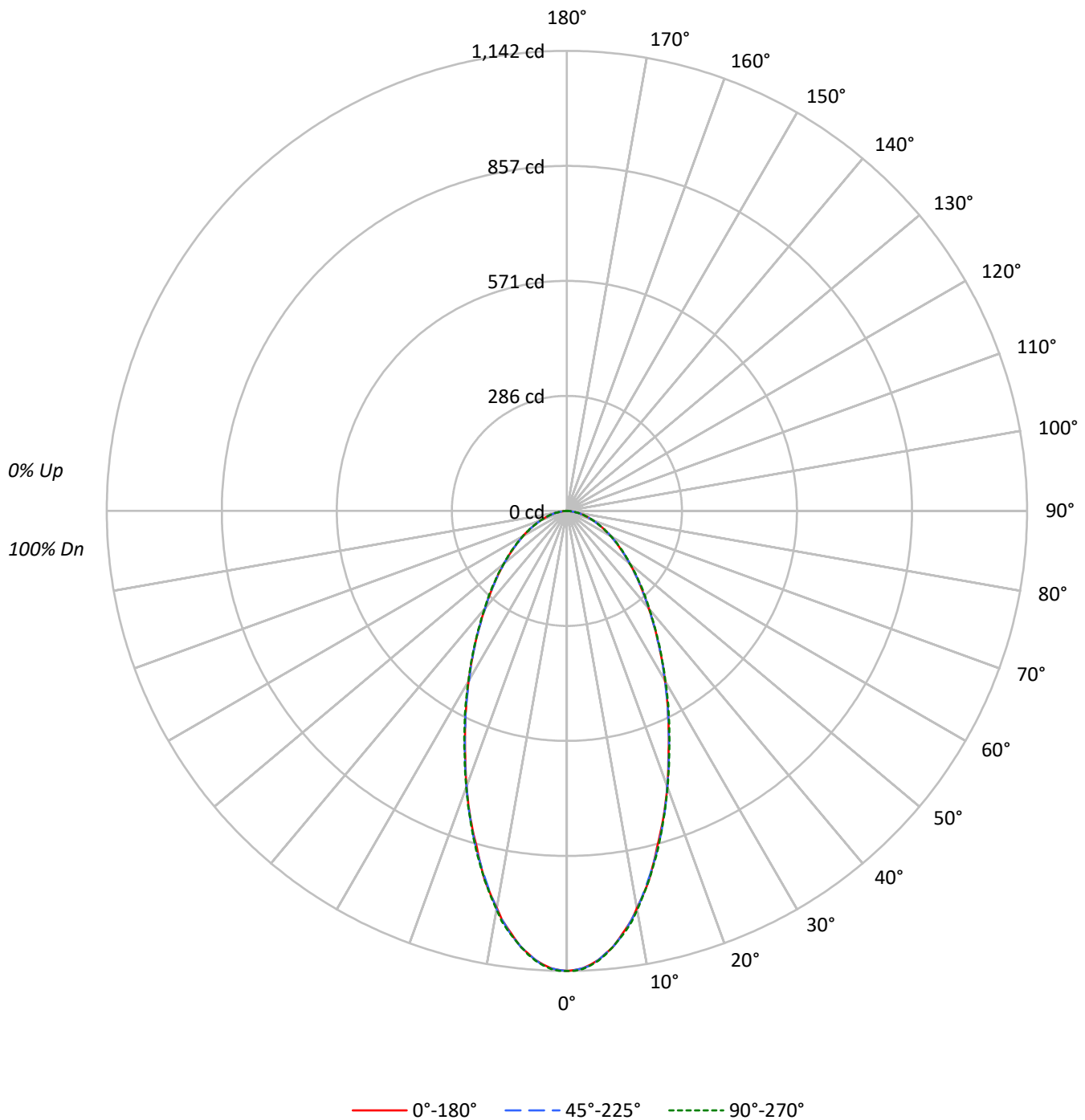
Lumens per Lamp: N/A
Luminaire Lumens: 1366.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	196678	196678	196678
5°	190739	190739	191085
10°	175107	175474	175824
15°	154174	154905	155262
20°	133443	133443	133809
25°	113541	113541	114320
30°	96927	96529	97325
35°	82752	82752	83173
40°	71066	71066	71515
45°	62083	62083	62595
50°	54631	54631	54631
55°	48372	48372	48973
60°	43538	43538	43538
65°	39040	39040	39040
70°	34896	34896	34896
75°	31208	29877	31208
80°	26282	26282	26282
85°	16203	16203	20156

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 62595 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	7.5
10°-20°	241.8	17.7
20°-30°	275.3	20.2
30°-40°	247.2	18.1
40°-50°	198.1	14.5
50°-60°	145.5	10.7
60°-70°	95.1	7.0
70°-80°	49.3	3.6
80°-90°	11.4	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°	619.2	45.3
0°-40°	866.5	63.4
0°-60°	1210.1	88.6
0°-90°	1366.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1142	1142	1142	1142	1142	
5°	1103	1103	1103	1103	1105	102
15°	865	865	869	869	871	242
25°	598	598	598	600	602	275
35°	394	394	394	394	396	247
45°	255	255	255	255	257	198
55°	161	161	161	161	163	145
65°	96	94	96	96	96	95
75°	47	45	45	47	47	50
85°	8	8	8	10	10	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1142.0	1142.0	1142.0	1142.0	1142.0
1°	1140.0	1138.0	1140.0	1140.0	1142.0
2°	1135.9	1135.9	1135.9	1133.9	1138.0
3°	1127.8	1127.8	1129.8	1127.8	1129.8
4°	1117.6	1117.6	1117.6	1115.5	1119.6
5°	1103.3	1103.3	1103.3	1103.3	1105.3
6°	1089.0	1087.0	1089.0	1087.0	1089.0
7°	1068.6	1068.6	1070.7	1068.6	1070.7
8°	1048.2	1046.2	1050.3	1048.2	1052.3
9°	1027.8	1025.8	1027.8	1025.8	1031.9
10°	1001.3	1003.4	1003.4	1003.4	1005.4
12.5°	940.1	936.1	936.1	936.1	940.1
15°	864.7	864.7	868.8	868.8	870.8
17.5°	797.4	795.3	799.4	799.4	799.4
20°	728.1	726.0	728.1	728.1	730.1
22.5°	658.7	660.8	660.8	660.8	662.8
25°	597.5	597.5	597.5	599.6	601.6
27.5°	540.4	538.4	540.4	542.5	544.5
30°	487.4	485.4	485.4	487.4	489.4
32.5°	438.5	436.4	438.5	438.5	440.5
35°	393.6	393.6	393.6	393.6	395.6
37.5°	352.8	352.8	352.8	354.8	354.8
40°	316.1	316.1	316.1	318.1	318.1
42.5°	283.5	283.5	283.5	285.5	287.5
45°	254.9	254.9	254.9	254.9	257.0
47.5°	228.4	228.4	228.4	230.4	230.4
50°	203.9	201.9	203.9	206.0	203.9
52.5°	181.5	181.5	181.5	181.5	183.5
55°	161.1	161.1	161.1	161.1	163.1
57.5°	142.8	142.8	142.8	144.8	144.8
60°	126.4	126.4	126.4	126.4	126.4
62.5°	110.1	110.1	110.1	110.1	110.1
65°	95.8	93.8	95.8	95.8	95.8
67.5°	81.6	81.6	81.6	81.6	81.6
70°	69.3	69.3	69.3	69.3	69.3
72.5°	57.1	57.1	57.1	57.1	57.1
75°	46.9	44.9	44.9	46.9	46.9
77.5°	36.7	34.7	36.7	36.7	36.7
80°	26.5	26.5	26.5	26.5	26.5
82.5°	16.3	16.3	16.3	18.4	18.4
85°	8.2	8.2	8.2	10.2	10.2
87.5°	2.0	2.0	2.0	4.1	4.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)