

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: P1310668

Luminaire Tested: P3SQAS24R209040D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310668
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: P3SQAS24R209040D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

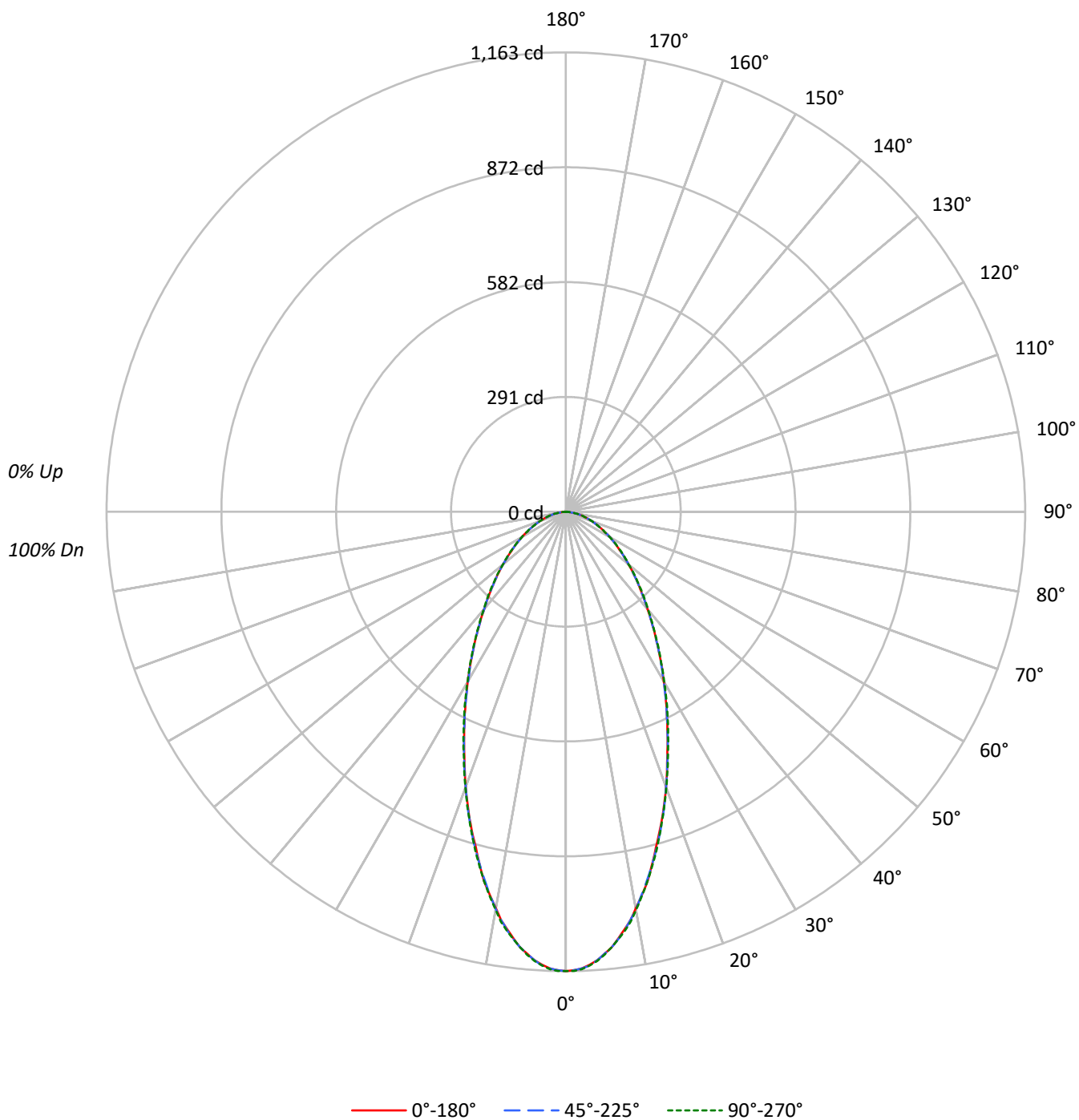
Lumens per Lamp: N/A
Luminaire Lumens: 1391.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	200278	200278	200278
5°	194231	194231	194594
10°	178307	178674	179042
15°	156991	157740	158097
20°	135880	135880	136265
25°	115631	115631	116410
30°	98697	98279	99115
35°	84266	84266	84708
40°	72370	72370	72842
45°	63228	63228	63740
50°	55649	55649	55649
55°	49273	49273	49873
60°	44365	44365	44365
65°	39773	39773	39773
70°	35550	35550	35550
75°	31807	30410	31807
80°	26778	26778	26778
85°	16401	16401	20551

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63740 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	7.5
10°-20°	246.2	17.7
20°-30°	280.4	20.2
30°-40°	251.7	18.1
40°-50°	201.7	14.5
50°-60°	148.2	10.7
60°-70°	96.9	7.0
70°-80°	50.2	3.6
80°-90°	11.7	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°	630.6	45.3
0°-40°	882.3	63.4
0°-60°	1232.3	88.6
0°-90°	1391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1163	1163	1163	1163	1163	
5°	1124	1124	1124	1124	1126	104
15°	880	880	885	885	887	246
25°	608	608	608	610	613	280
35°	401	401	401	401	403	252
45°	260	260	260	260	262	201
55°	164	164	164	164	166	148
65°	98	96	98	98	98	97
75°	48	46	46	48	48	51
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°	1162.9	1162.9	1162.9	1162.9	1162.9
1°	1160.9	1158.8	1160.9	1160.9	1162.9
2°	1156.7	1156.7	1156.7	1154.6	1158.8
3°	1148.4	1148.4	1150.5	1148.4	1150.5
4°	1138.0	1138.0	1138.0	1135.9	1140.1
5°	1123.5	1123.5	1123.5	1123.5	1125.6
6°	1108.9	1106.9	1108.9	1106.9	1108.9
7°	1088.2	1088.2	1090.3	1088.2	1090.3
8°	1067.4	1065.3	1069.5	1067.4	1071.6
9°	1046.6	1044.6	1046.6	1044.6	1050.8
10°	1019.6	1021.7	1021.7	1021.7	1023.8
12.5°	957.3	953.2	953.2	953.2	957.3
15°	880.5	880.5	884.7	884.7	886.7
17.5°	812.0	809.9	814.1	814.1	814.1
20°	741.4	739.3	741.4	741.4	743.5
22.5°	670.8	672.8	672.8	672.8	674.9
25°	608.5	608.5	608.5	610.5	612.6
27.5°	550.3	548.2	550.3	552.4	554.5
30°	496.3	494.2	494.2	496.3	498.4
32.5°	446.5	444.4	446.5	446.5	448.6
35°	400.8	400.8	400.8	400.8	402.9
37.5°	359.3	359.3	359.3	361.3	361.3
40°	321.9	321.9	321.9	324.0	324.0
42.5°	288.7	288.7	288.7	290.7	292.8
45°	259.6	259.6	259.6	259.6	261.7
47.5°	232.6	232.6	232.6	234.7	234.7
50°	207.7	205.6	207.7	209.7	207.7
52.5°	184.8	184.8	184.8	184.8	186.9
55°	164.1	164.1	164.1	164.1	166.1
57.5°	145.4	145.4	145.4	147.4	147.4
60°	128.8	128.8	128.8	128.8	128.8
62.5°	112.1	112.1	112.1	112.1	112.1
65°	97.6	95.5	97.6	97.6	97.6
67.5°	83.1	83.1	83.1	83.1	83.1
70°	70.6	70.6	70.6	70.6	70.6
72.5°	58.1	58.1	58.1	58.1	58.1
75°	47.8	45.7	45.7	47.8	47.8
77.5°	37.4	35.3	37.4	37.4	37.4
80°	27.0	27.0	27.0	27.0	27.0
82.5°	16.6	16.6	16.6	18.7	18.7
85°	8.3	8.3	8.3	10.4	10.4
87.5°	2.1	2.1	2.1	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)