

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: P1309399

Luminaire Tested: P3SQAS20R209035D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209035D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

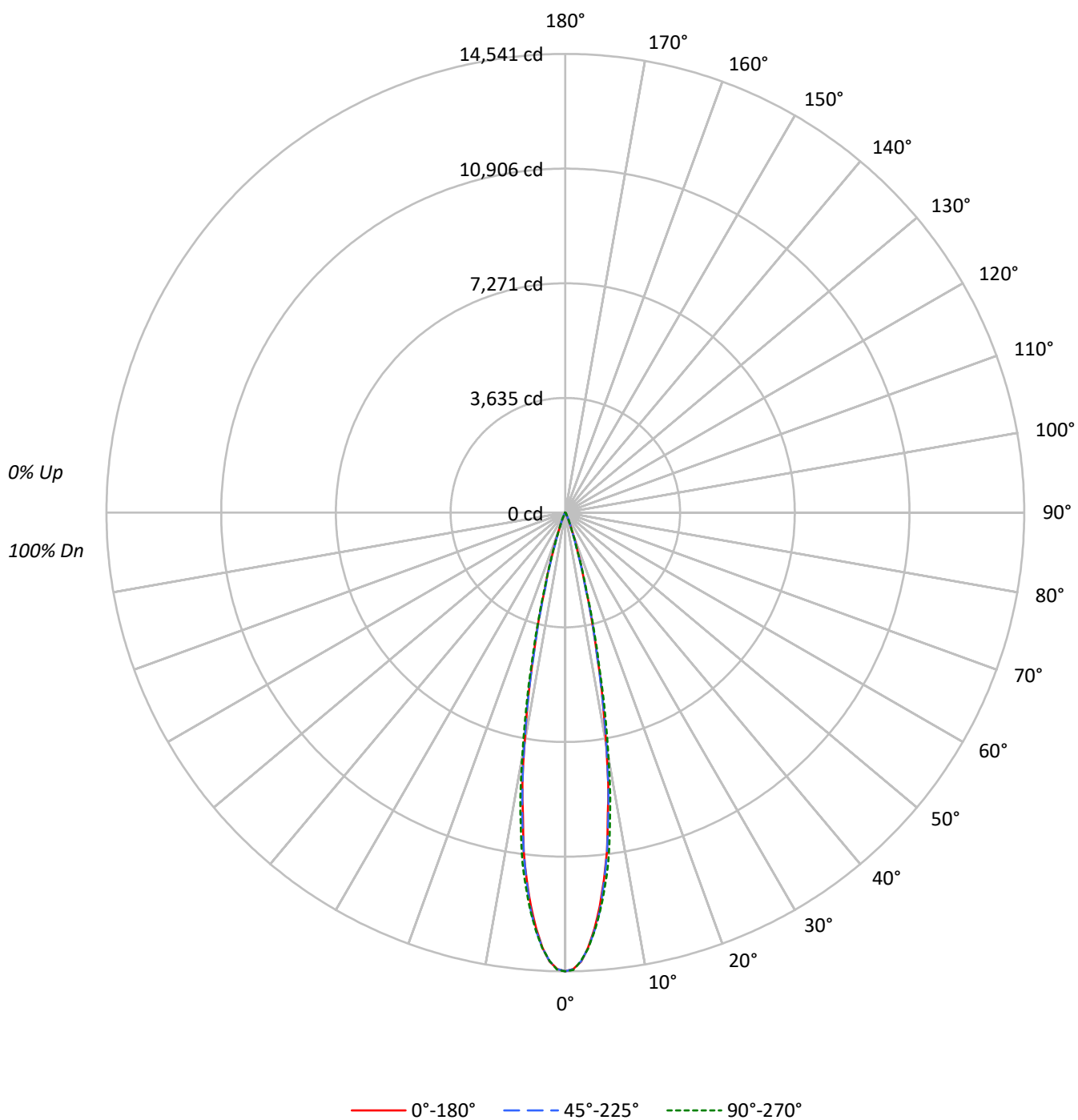
Lumens per Lamp: N/A
Luminaire Lumens: 1953.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2504238	2504238	2504238
5°	2163357	2183515	2191641
10°	1302310	1314481	1379904
15°	450452	439897	474950
20°	118304	111285	111615
25°	25787	31088	35383
30°	11077	11077	11415
35°	6223	5487	5845
40°	2743	3125	3530
45°	852	1267	1267
50°	455	455	455
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1040.0	53.3
10°-20°	791.8	40.5
20°-30°	97.9	5.0
30°-40°	18.5	0.9
40°-50°	4.5	0.2
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1929.7	98.8
0°-40°	1948.3	99.8
0°-60°	1953.0	100.0
0°-90°	1953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14541	14541	14541	14541	14541	
5°	12514	12505	12630	12622	12677	1032
15°	2526	2436	2467	2615	2664	791
25°	136	155	164	170	186	93
35°	30	30	26	28	28	19
45°	4	5	5	5	5	4
55°	0	0	0	0	0	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14540.7	14540.7	14540.7	14540.7	14540.7
1°	14472.8	14455.4	14469.3	14439.7	14500.6
2°	14241.4	14224.0	14224.0	14206.6	14215.3
3°	13809.9	13837.7	13820.3	13783.8	13830.8
4°	13221.8	13253.1	13280.9	13282.7	13289.6
5°	12513.6	12504.9	12630.2	12621.5	12677.2
6°	11706.3	11695.9	11749.8	11840.3	11951.6
7°	10818.9	10691.9	10836.3	11019.0	11168.7
8°	9670.6	9703.6	9802.8	10018.6	10138.6
9°	8696.2	8503.1	8713.6	8971.1	9101.6
10°	7446.9	7290.3	7516.5	7788.0	7890.6
12.5°	4687.4	4551.7	4624.8	4910.1	4955.3
15°	2526.4	2435.9	2467.2	2615.1	2663.8
17.5°	1289.3	1207.5	1190.1	1284.1	1294.5
20°	645.5	626.4	607.2	615.9	609.0
22.5°	299.3	325.4	321.9	304.5	325.4
25°	135.7	154.9	163.6	170.5	186.2
27.5°	83.5	80.0	92.2	99.2	100.9
30°	55.7	53.9	55.7	57.4	57.4
32.5°	40.0	38.3	36.5	36.5	38.3
35°	29.6	29.6	26.1	27.8	27.8
37.5°	20.9	20.9	19.1	20.9	20.9
40°	12.2	13.9	13.9	13.9	15.7
42.5°	7.0	8.7	8.7	8.7	8.7
45°	3.5	5.2	5.2	5.2	5.2
47.5°	1.7	1.7	1.7	3.5	3.5
50°	1.7	1.7	1.7	1.7	1.7
52.5°	1.7	0.0	0.0	0.0	1.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)