

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: P1313716

Luminaire Tested: P3SQAS20R309730D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R309730D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

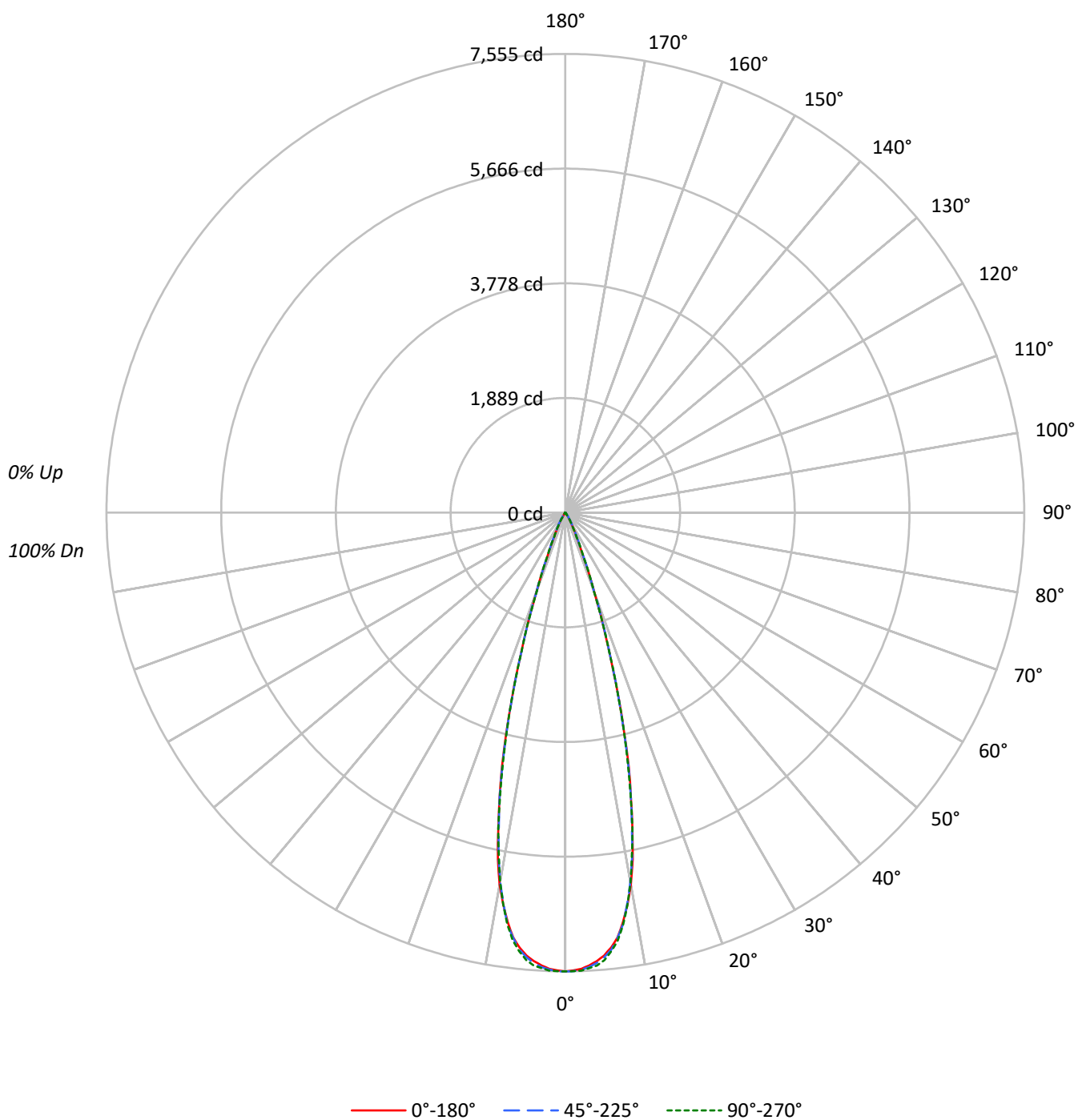
Lumens per Lamp: N/A
Luminaire Lumens: 1964.9 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1301211	1301211	1301211
5°	1265554	1271069	1278918
10°	1088257	1078971	1080038
15°	668689	663286	663821
20°	254496	255046	250336
25°	80951	85265	81236
30°	32554	40390	33469
35°	10512	17850	10512
40°	4766	7846	4766
45°	1851	3312	1851
50°	804	1634	804
55°	901	901	901
60°	1033	1033	1033
65°	611	611	611
70°	755	755	755
75°	998	998	998
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3312 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.5	33.9
10°-20°	988.7	50.3
20°-30°	245.6	12.5
30°-40°	49.0	2.5
40°-50°	8.9	0.5
50°-60°	2.8	0.1
60°-70°	2.0	0.1
70°-80°	1.4	0.1
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°	1900.8	96.7
0°-40°	1949.8	99.2
0°-60°	1961.5	99.8
0°-90°	1964.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1964.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7555	7555	7555	7555	7555	
5°	7320	7345	7352	7363	7398	665
15°	3750	3758	3720	3732	3723	992
25°	426	435	449	443	428	239
35°	50	65	85	64	50	41
45°	8	9	14	11	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
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°	7555.4	7555.4	7555.4	7555.4	7555.4
1°	7538.7	7547.8	7553.9	7553.9	7553.9
2°	7517.5	7523.6	7532.7	7534.2	7546.3
3°	7467.5	7481.1	7496.3	7505.4	7511.4
4°	7406.8	7425.0	7434.1	7456.9	7476.6
5°	7320.4	7344.7	7352.3	7362.9	7397.7
6°	7203.7	7221.9	7237.1	7241.6	7262.8
7°	7049.1	7058.2	7055.1	7062.7	7100.6
8°	6814.1	6817.1	6842.9	6826.2	6852.0
9°	6535.2	6523.0	6517.0	6529.1	6530.6
10°	6222.9	6182.0	6169.8	6159.2	6175.9
11°	5818.1	5765.1	5769.6	5766.6	5742.3
12°	5314.9	5308.8	5269.4	5277.0	5313.3
13°	4801.0	4811.6	4804.0	4813.1	4772.1
14°	4318.9	4267.3	4281.0	4229.4	4249.2
15°	3750.4	3758.0	3720.1	3732.2	3723.1
17.5°	2401.2	2417.9	2405.8	2395.2	2411.8
20°	1388.6	1387.1	1391.6	1378.0	1365.9
22.5°	730.7	741.3	754.9	756.4	765.5
25°	426.0	435.1	448.7	442.7	427.5
27.5°	260.7	277.4	298.6	283.5	265.3
30°	163.7	177.4	203.1	178.9	168.3
32.5°	92.5	112.2	133.4	112.2	92.5
35°	50.0	65.2	84.9	63.7	50.0
37.5°	33.4	37.9	56.1	37.9	33.4
40°	21.2	25.8	34.9	25.8	21.2
42.5°	12.1	16.7	19.7	16.7	12.1
45°	7.6	9.1	13.6	10.6	7.6
47.5°	3.0	4.5	9.1	4.5	4.5
50°	3.0	3.0	6.1	3.0	3.0
52.5°	3.0	3.0	3.0	3.0	3.0
55°	3.0	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
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



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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)