

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: P1316194

Luminaire Tested: P3SQAS13R159827DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316194
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159827DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

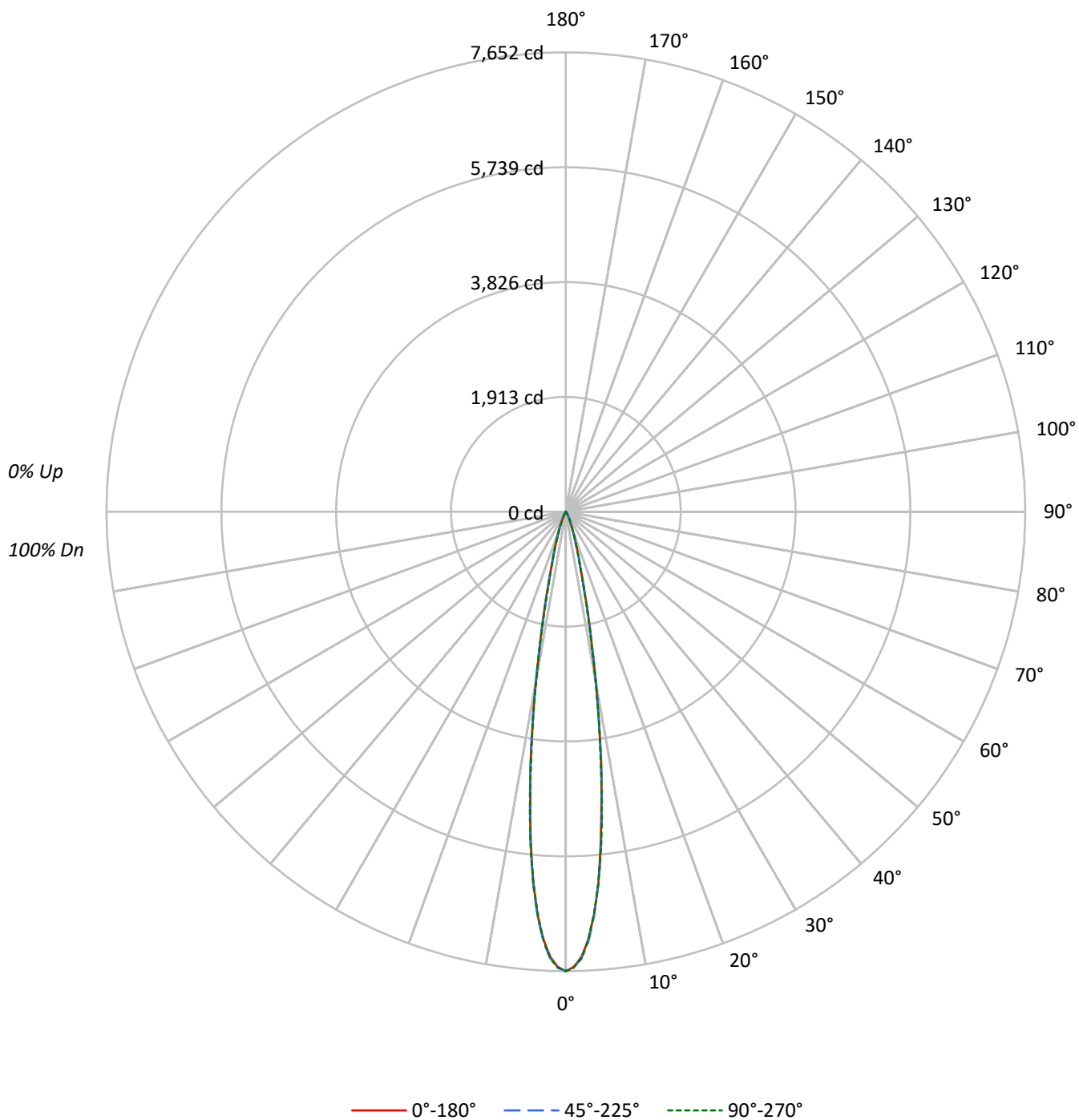
Lumens per Lamp: N/A
Luminaire Lumens: 854.0 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1317813	1317813	1317813
5°	1072948	1076458	1074349
10°	500505	504999	498616
15°	157170	158489	157526
20°	62277	64751	60298
25°	25160	30423	24266
30°	10082	13841	9546
35°	2985	6097	2838
40°	922	2271	764
45°	170	487	170
50°	0	188	0
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: 45°

Vertical Angle: 45°

Luminance: 487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.1	56.1
10°-20°	286.5	33.6
20°-30°	72.3	8.5
30°-40°	14.7	1.7
40°-50°	1.4	0.2
50°-60°	0.0	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°	837.9	98.1
0°-40°	852.6	99.8
0°-60°	854.0	100.0
0°-90°	854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	854.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7652	7652	7652	7652	7652	
5°	6206	6195	6227	6211	6214	478
15°	882	889	889	876	884	287
25°	132	145	160	142	128	68
35°	14	19	29	18	14	12
45°	1	1	2	1	1	1
55°	0	0	0	0	0	0
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°	7651.8	7651.8	7651.8	7651.8	7651.8
1°	7582.9	7608.6	7595.1	7605.9	7593.7
2°	7418.8	7453.2	7442.4	7439.0	7448.5
3°	7129.7	7169.5	7168.2	7158.0	7141.8
4°	6735.2	6719.0	6744.0	6741.3	6713.6
5°	6206.3	6194.8	6226.6	6211.0	6214.4
6°	5559.2	5609.2	5598.4	5599.7	5612.5
7°	4864.1	4891.1	4914.1	4933.0	4906.7
8°	4225.8	4219.0	4221.1	4242.7	4169.7
9°	3511.1	3553.0	3526.0	3482.8	3510.5
10°	2862.0	2887.7	2887.7	2849.8	2851.2
11°	2281.8	2302.7	2287.8	2297.3	2237.9
12°	1839.3	1787.3	1775.2	1784.6	1783.9
13°	1404.3	1407.7	1404.3	1403.6	1396.9
14°	1101.0	1118.6	1111.2	1092.9	1084.8
15°	881.5	888.9	888.9	876.1	883.5
17.5°	529.6	538.4	540.4	531.6	531.6
20°	339.8	343.8	353.3	340.4	329.0
22.5°	209.4	218.2	234.4	215.5	206.0
25°	132.4	144.6	160.1	141.9	127.7
27.5°	83.1	93.2	106.7	89.2	80.4
30°	50.7	57.4	69.6	56.1	48.0
32.5°	28.4	33.8	43.9	32.4	27.0
35°	14.2	18.9	29.0	18.2	13.5
37.5°	8.1	10.1	18.2	8.8	7.4
40°	4.1	5.4	10.1	5.4	3.4
42.5°	1.4	2.7	4.1	2.7	1.4
45°	0.7	1.4	2.0	1.4	0.7
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)