

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: P1317249

Luminaire Tested: P3SQAS17R259830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317249
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

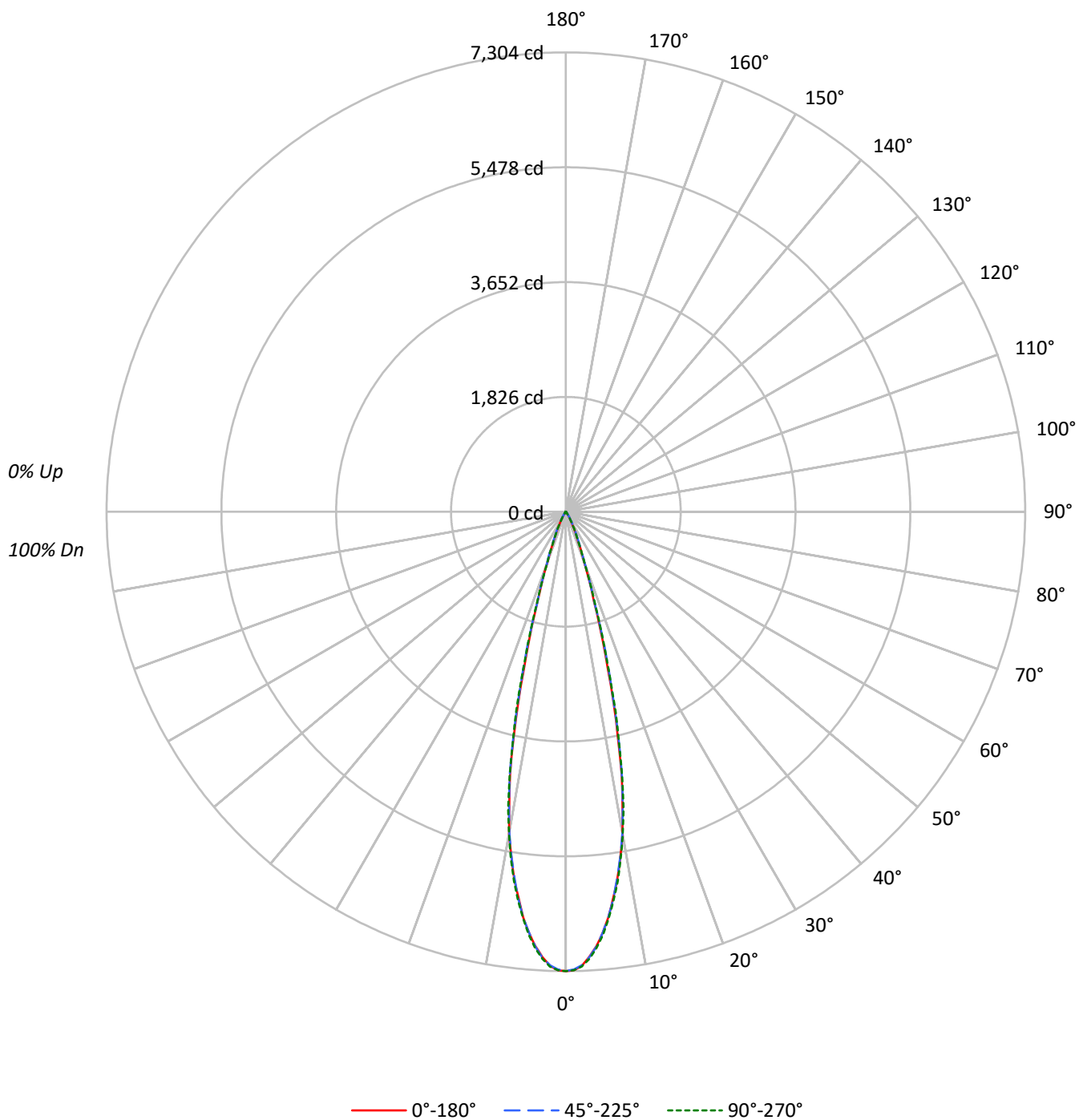
Lumens per Lamp: N/A
Luminaire Lumens: 1543.1 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	110	113	111	109	108	107	106	105		103	102	102		100
2	112	108	105	103	110	107	104	102	103	101	100		101	99	97		98
3	108	104	100	98	107	103	99	97	100	98	95		98	96	94		96
4	105	100	96	93	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	92	90	94	91	89		93	90	88		91
6	100	94	90	87	98	93	89	87	92	88	86		90	88	86		89
7	97	91	87	84	96	90	87	84	89	86	84		88	85	83		87
8	95	88	84	82	94	88	84	82	87	84	81		86	83	81		85
9	92	86	82	80	91	86	82	79	85	82	79		84	81	79		83
10	90	84	80	78	89	83	80	77	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1257914	1257914	1257914
5°	1161895	1161480	1167981
10°	907607	905141	911314
15°	456603	475663	475253
20°	156224	160549	157947
25°	62785	70595	65464
30°	25495	30407	24779
35°	7422	13351	7422
40°	3440	5823	3440
45°	1145	2289	1145
50°	643	938	643
55°	721	721	721
60°	827	827	827
65°	489	489	489
70°	604	604	604
75°	799	799	799
80°	0	1190	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2289 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.5	38.4
10°-20°	725.3	47.0
20°-30°	177.2	11.5
30°-40°	36.6	2.4
40°-50°	6.4	0.4
50°-60°	2.2	0.1
60°-70°	1.7	0.1
70°-80°	1.1	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°	1495.0	96.9
0°-40°	1531.6	99.3
0°-60°	1540.2	99.8
0°-90°	1543.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1543.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7304	7304	7304	7304	7304	
5°	6721	6727	6718	6732	6756	592
15°	2561	2604	2668	2680	2666	715
25°	330	346	372	350	344	169
35°	35	49	64	48	35	30
45°	5	7	9	7	5	5
55°	2	2	2	2	2	2
65°	1	2	1	1	1	2
75°	1	1	1	1	1	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°	7304.0	7304.0	7304.0	7304.0	7304.0
1°	7289.8	7280.4	7278.1	7279.3	7291.0
2°	7224.0	7218.1	7216.9	7220.5	7236.9
3°	7090.0	7097.0	7099.4	7111.1	7119.4
4°	6925.4	6939.5	6933.6	6947.7	6957.1
5°	6720.8	6726.6	6718.4	6732.5	6756.0
6°	6482.1	6460.9	6480.9	6486.8	6503.3
7°	6184.6	6189.3	6196.4	6203.4	6228.1
8°	5891.8	5877.7	5874.2	5907.1	5927.1
9°	5549.7	5552.0	5539.1	5576.7	5582.6
10°	5189.9	5160.5	5175.8	5205.2	5211.1
11°	4714.9	4706.7	4729.0	4774.9	4811.3
12°	4269.3	4274.0	4297.5	4312.8	4304.5
13°	3680.2	3715.5	3744.9	3760.2	3740.2
14°	3147.6	3147.6	3185.2	3191.1	3262.8
15°	2560.9	2604.4	2667.8	2679.6	2665.5
17.5°	1479.1	1485.0	1515.6	1514.4	1536.7
20°	852.4	860.7	876.0	872.4	861.8
22.5°	512.6	530.3	566.7	537.3	529.1
25°	330.4	345.7	371.5	350.4	344.5
27.5°	206.9	217.5	237.5	218.7	209.3
30°	128.2	134.0	152.9	135.2	124.6
32.5°	69.4	84.7	99.9	84.7	69.4
35°	35.3	49.4	63.5	48.2	35.3
37.5°	23.5	28.2	41.2	27.0	23.5
40°	15.3	18.8	25.9	18.8	15.3
42.5°	8.2	11.8	14.1	12.9	8.2
45°	4.7	7.1	9.4	7.1	4.7
47.5°	3.5	3.5	5.9	3.5	2.4
50°	2.4	2.4	3.5	2.4	2.4
52.5°	2.4	2.4	2.4	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	1.2	2.4	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	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)