

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: P1312587

Luminaire Tested: P3SQAS17R309727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312587
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: P3SQAS17R309727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

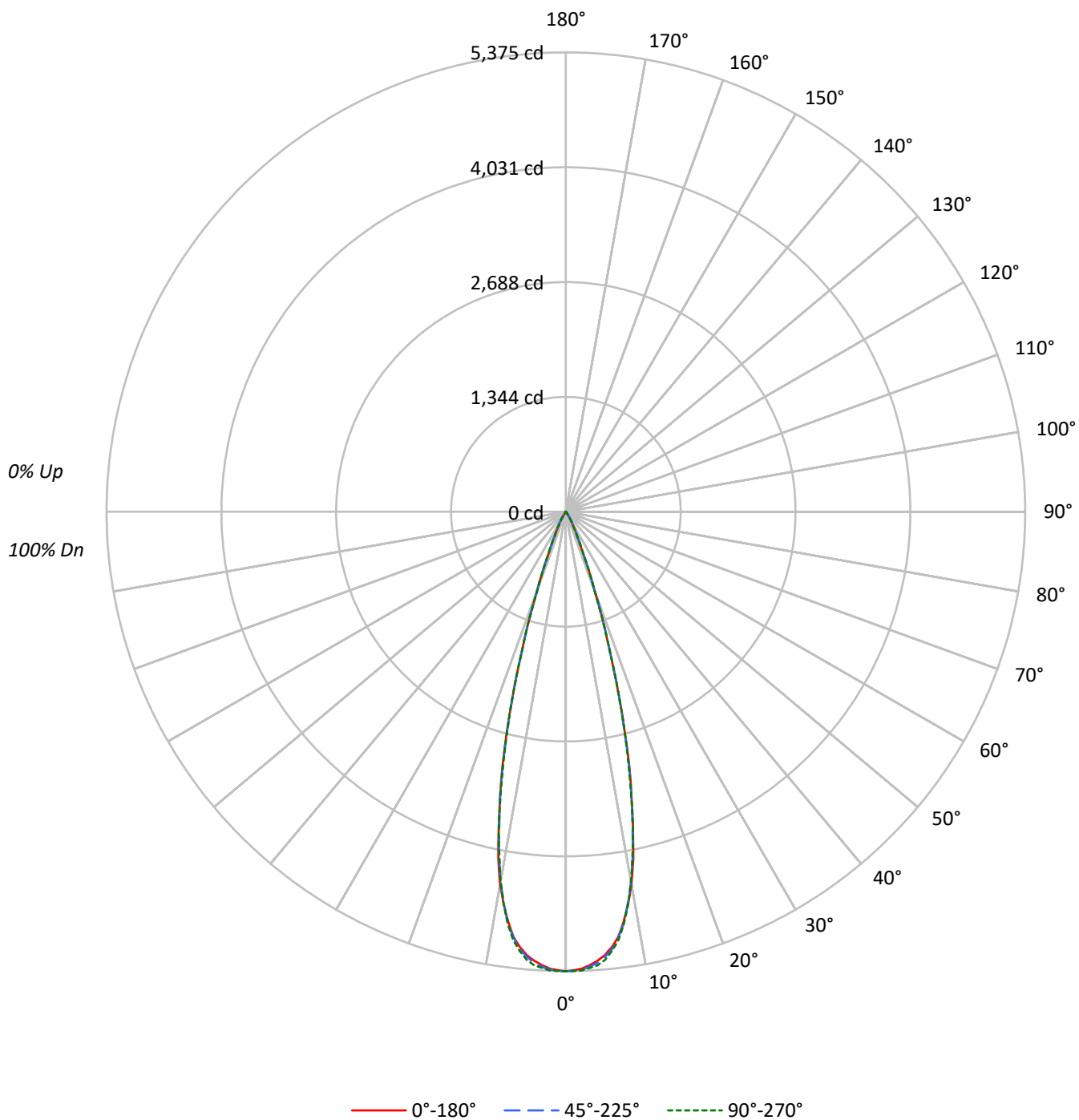
Lumens per Lamp: N/A
Luminaire Lumens: 1398.1 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	93	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°	925748	925748	925748
5°	900379	904303	909887
10°	774244	767633	768385
15°	475735	471901	472276
20°	181058	181461	178089
25°	57597	60657	57787
30°	23168	28736	23804
35°	7485	12699	7485
40°	3395	5576	3395
45°	1315	2363	1315
50°	589	1152	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.1	33.9
10°-20°	703.4	50.3
20°-30°	174.8	12.5
30°-40°	34.9	2.5
40°-50°	6.4	0.5
50°-60°	2.0	0.1
60°-70°	1.5	0.1
70°-80°	1.0	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°	1352.3	96.7
0°-40°	1387.2	99.2
0°-60°	1395.6	99.8
0°-90°	1398.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1398.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5375	5375	5375	5375	5375	
5°	5208	5225	5231	5238	5263	473
15°	2668	2674	2647	2655	2649	706
25°	303	310	319	315	304	170
35°	36	46	60	45	36	29
45°	5	6	10	8	5	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
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°	5375.3	5375.3	5375.3	5375.3	5375.3
1°	5363.4	5369.9	5374.2	5374.2	5374.2
2°	5348.3	5352.6	5359.1	5360.2	5368.8
3°	5312.7	5322.4	5333.2	5339.7	5344.0
4°	5269.6	5282.5	5289.0	5305.2	5319.2
5°	5208.1	5225.4	5230.8	5238.3	5263.1
6°	5125.1	5138.0	5148.8	5152.0	5167.1
7°	5015.1	5021.5	5019.4	5024.8	5051.7
8°	4847.9	4850.1	4868.4	4856.5	4874.9
9°	4649.5	4640.8	4636.5	4645.1	4646.2
10°	4427.3	4398.2	4389.5	4382.0	4393.8
11°	4139.3	4101.6	4104.8	4102.6	4085.4
12°	3781.3	3776.9	3748.9	3754.3	3780.2
13°	3415.6	3423.2	3417.8	3424.3	3395.1
14°	3072.7	3036.0	3045.7	3009.0	3023.1
15°	2668.2	2673.6	2646.7	2655.3	2648.8
17.5°	1708.4	1720.2	1711.6	1704.0	1715.9
20°	987.9	986.8	990.1	980.4	971.7
22.5°	519.8	527.4	537.1	538.2	544.6
25°	303.1	309.5	319.2	314.9	304.1
27.5°	185.5	197.4	212.5	201.7	188.7
30°	116.5	126.2	144.5	127.3	119.7
32.5°	65.8	79.8	94.9	79.8	65.8
35°	35.6	46.4	60.4	45.3	35.6
37.5°	23.7	27.0	39.9	27.0	23.7
40°	15.1	18.3	24.8	18.3	15.1
42.5°	8.6	11.9	14.0	11.9	8.6
45°	5.4	6.5	9.7	7.5	5.4
47.5°	2.2	3.2	6.5	3.2	3.2
50°	2.2	2.2	4.3	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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)