

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: P1316373

Luminaire Tested: P3SQAS17R259827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316373
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: P3SQAS17R259827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

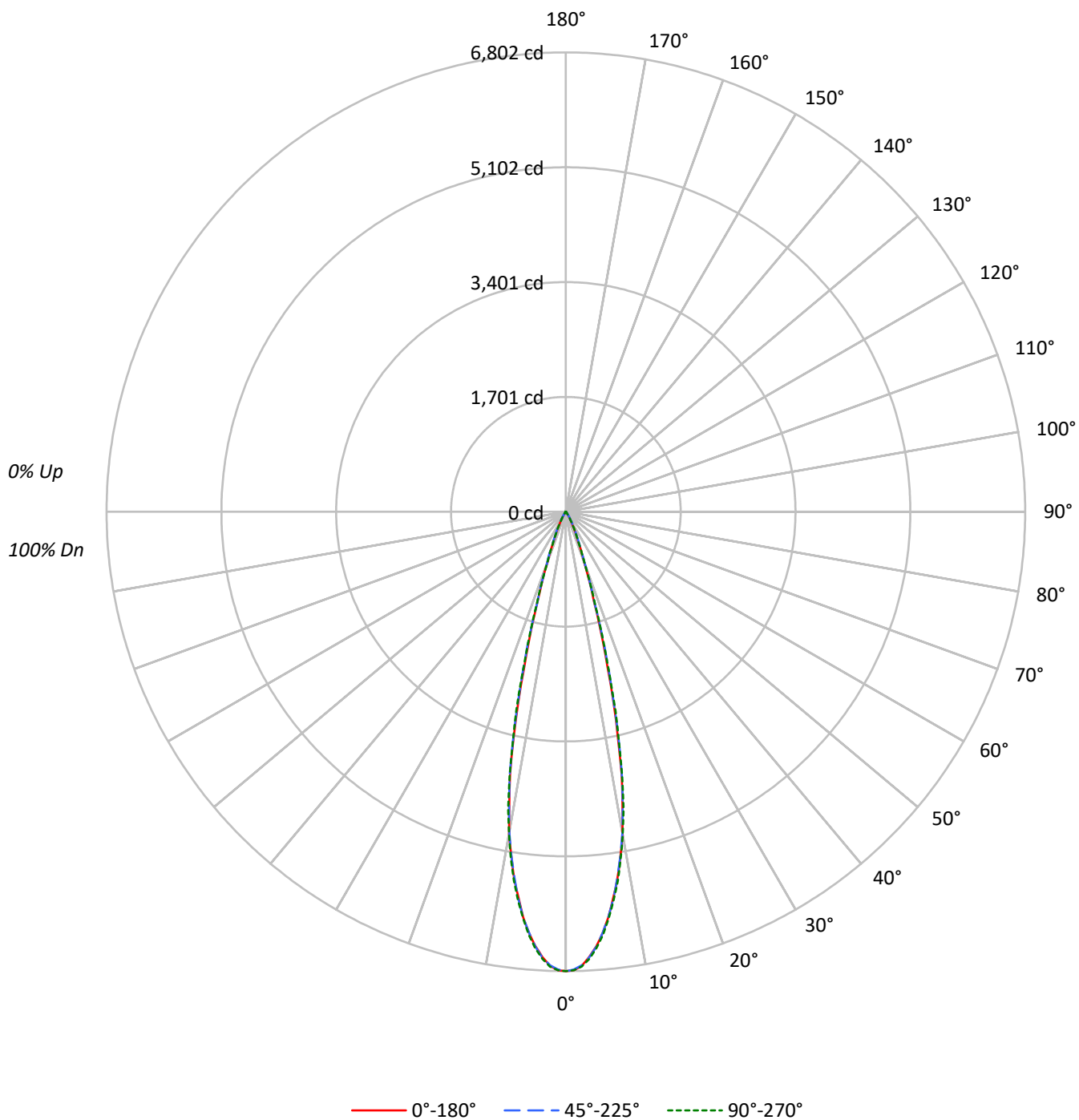
Lumens per Lamp: N/A
Luminaire Lumens: 1437.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1171493	1171493	1171493
5°	1082076	1081696	1087747
10°	845262	842954	848707
15°	425223	442999	442607
20°	145502	149516	147097
25°	58471	65749	60961
30°	23745	28318	23088
35°	6917	12425	6917
40°	3192	5418	3192
45°	1072	2143	1072
50°	589	884	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	1091	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2143 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.8	38.4
10°-20°	675.4	47.0
20°-30°	165.0	11.5
30°-40°	34.1	2.4
40°-50°	6.0	0.4
50°-60°	2.0	0.1
60°-70°	1.6	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°	1392.3	96.9
0°-40°	1426.4	99.3
0°-60°	1434.4	99.8
0°-90°	1437.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1437.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6802	6802	6802	6802	6802	
5°	6259	6264	6257	6270	6292	551
15°	2385	2425	2485	2496	2482	666
25°	308	322	346	326	321	157
35°	33	46	59	45	33	28
45°	4	7	9	7	4	4
55°	2	2	2	2	2	2
65°	1	2	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°	6802.2	6802.2	6802.2	6802.2	6802.2
1°	6789.1	6780.3	6778.1	6779.2	6790.2
2°	6727.7	6722.3	6721.2	6724.4	6739.8
3°	6602.9	6609.5	6611.7	6622.6	6630.3
4°	6449.6	6462.7	6457.3	6470.4	6479.2
5°	6259.1	6264.5	6256.9	6270.0	6291.9
6°	6036.8	6017.1	6035.7	6041.2	6056.5
7°	5759.7	5764.1	5770.7	5777.3	5800.3
8°	5487.1	5473.9	5470.7	5501.3	5519.9
9°	5168.4	5170.6	5158.6	5193.6	5199.1
10°	4833.4	4806.0	4820.2	4847.6	4853.1
11°	4391.0	4383.3	4404.1	4446.8	4480.8
12°	3976.0	3980.4	4002.3	4016.5	4008.8
13°	3427.4	3460.2	3487.6	3501.8	3483.2
14°	2931.3	2931.3	2966.4	2971.9	3038.6
15°	2384.9	2425.4	2484.6	2495.5	2482.4
17.5°	1377.5	1383.0	1411.5	1410.4	1431.2
20°	793.9	801.5	815.8	812.5	802.6
22.5°	477.4	493.8	527.8	500.4	492.8
25°	307.7	321.9	346.0	326.3	320.8
27.5°	192.7	202.6	221.2	203.7	194.9
30°	119.4	124.8	142.4	125.9	116.1
32.5°	64.6	78.8	93.1	78.8	64.6
35°	32.9	46.0	59.1	44.9	32.9
37.5°	21.9	26.3	38.3	25.2	21.9
40°	14.2	17.5	24.1	17.5	14.2
42.5°	7.7	11.0	13.1	12.0	7.7
45°	4.4	6.6	8.8	6.6	4.4
47.5°	3.3	3.3	5.5	3.3	2.2
50°	2.2	2.2	3.3	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	2.2	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	1.1	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)