

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: P1313545

Luminaire Tested: P3SQAS17R259730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313545
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

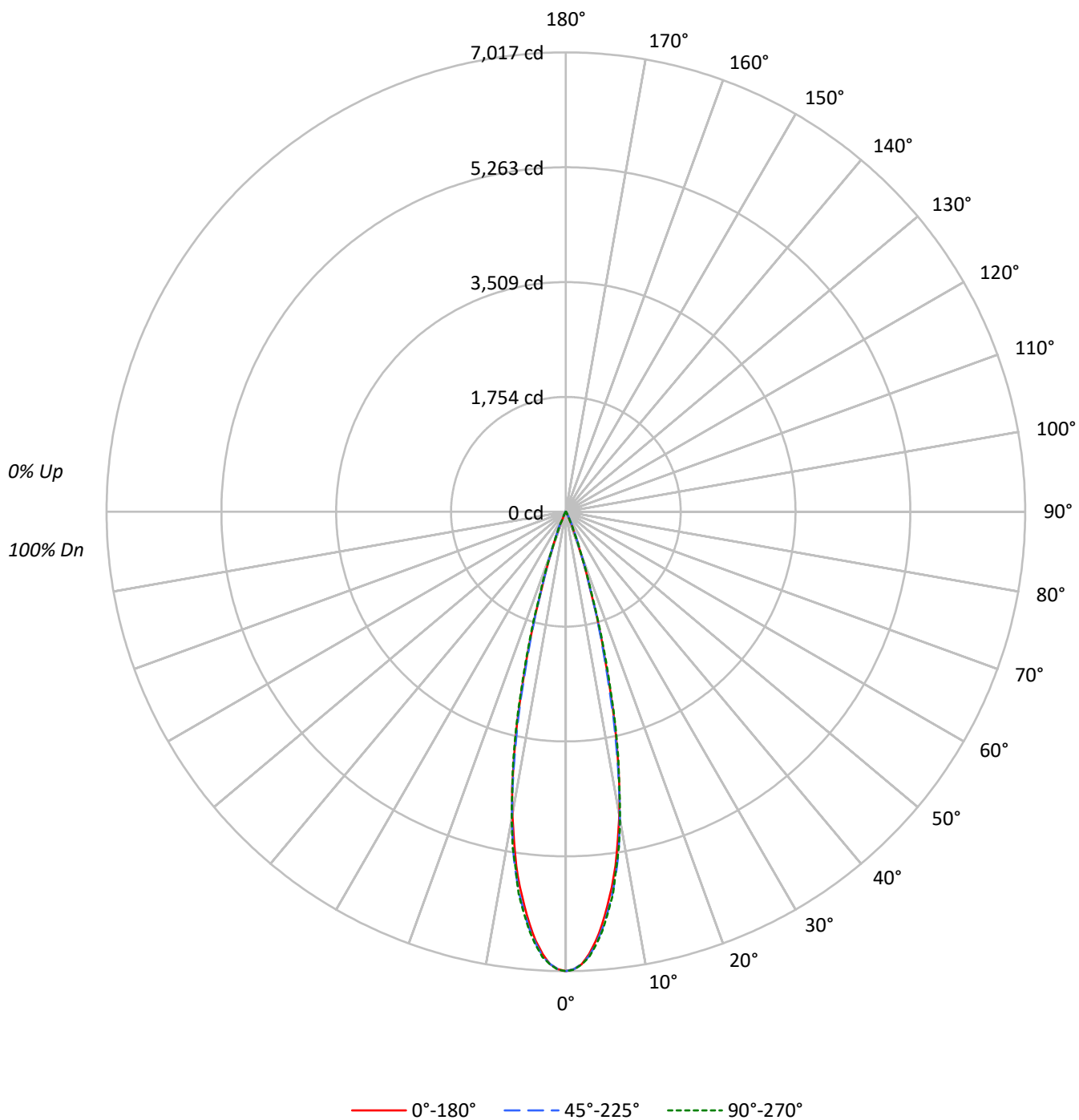
Lumens per Lamp: N/A
Luminaire Lumens: 1295.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1208486	1208486	1208486
5°	1095129	1105104	1110498
10°	823263	829121	832968
15°	407643	395483	421835
20°	115115	117021	118304
25°	19972	37739	23696
30°	7815	8034	8273
35°	2418	2670	2670
40°	787	1034	787
45°	560	292	560
50°	322	0	322
55°	360	0	360
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: 0°

Vertical Angle: 45°

Luminance: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.4	43.0
10°-20°	628.6	48.5
20°-30°	97.5	7.5
30°-40°	9.9	0.8
40°-50°	1.4	0.1
50°-60°	0.2	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°	1283.6	99.1
0°-40°	1293.4	99.9
0°-60°	1295.0	100.0
0°-90°	1295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1295.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7017	7017	7017	7017	7017	
5°	6335	6346	6392	6418	6424	552
15°	2286	2270	2218	2317	2366	626
25°	105	156	199	151	125	88
35°	12	13	13	14	13	9
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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°	7017.0	7017.0	7017.0	7017.0	7017.0
1°	6988.1	6997.4	6987.0	6998.5	6997.4
2°	6915.4	6924.6	6911.9	6918.8	6918.8
3°	6766.4	6786.0	6797.6	6805.7	6812.6
4°	6570.1	6592.1	6609.4	6630.2	6630.2
5°	6334.6	6346.1	6392.3	6417.7	6423.5
6°	6054.0	6100.2	6134.8	6185.6	6154.4
7°	5773.4	5811.5	5860.0	5868.1	5890.0
8°	5454.7	5495.1	5540.1	5532.1	5513.6
9°	5066.7	5125.6	5178.7	5161.4	5184.5
10°	4707.6	4743.4	4741.1	4723.8	4763.1
11°	4290.8	4298.9	4253.8	4324.3	4281.5
12°	3796.6	3803.5	3745.8	3815.1	3858.9
13°	3323.2	3307.0	3227.3	3318.5	3374.0
14°	2778.2	2783.9	2682.3	2859.0	2845.1
15°	2286.3	2270.1	2218.1	2317.4	2365.9
17.5°	1218.2	1228.6	1215.9	1265.5	1296.7
20°	628.1	645.5	638.5	659.3	645.5
22.5°	325.6	349.9	356.8	340.6	296.8
25°	105.1	155.9	198.6	151.3	124.7
27.5°	63.5	62.4	97.0	67.0	68.1
30°	39.3	38.1	40.4	40.4	41.6
32.5°	21.9	23.1	21.9	24.2	23.1
35°	11.5	12.7	12.7	13.9	12.7
37.5°	6.9	8.1	8.1	8.1	6.9
40°	3.5	4.6	4.6	3.5	3.5
42.5°	2.3	2.3	2.3	2.3	2.3
45°	2.3	1.2	1.2	1.2	2.3
47.5°	1.2	1.2	0.0	1.2	1.2
50°	1.2	1.2	0.0	1.2	1.2
52.5°	1.2	0.0	0.0	0.0	1.2
55°	1.2	0.0	0.0	0.0	1.2
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)