

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: P1314385

Luminaire Tested: P3SQAS13R309735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314385
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: P3SQAS13R309735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

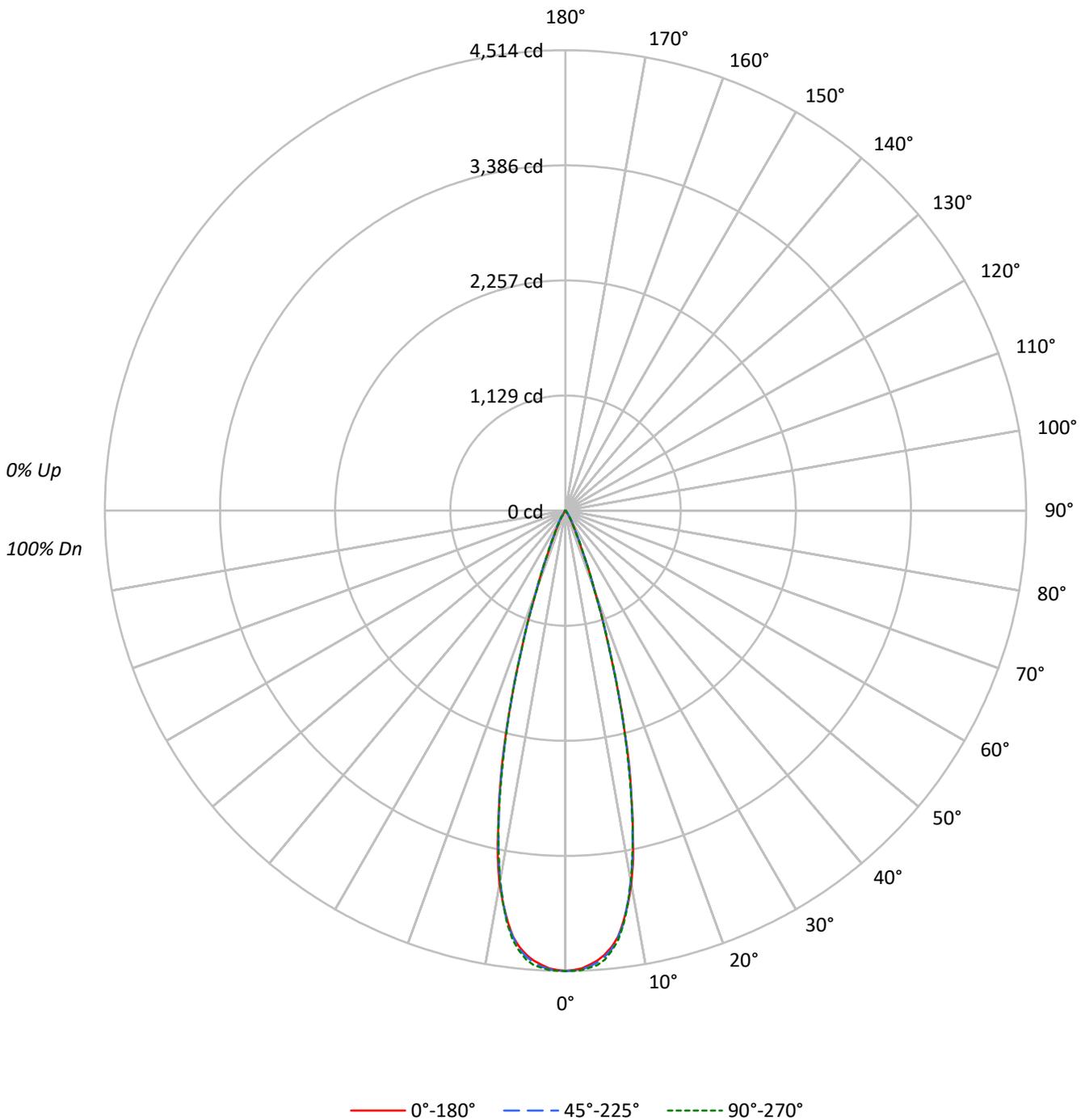
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1174.0 lumens
Efficiency: N/A
Efficacy: 80.4 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	777413	777413	777413
5°	756110	759395	764097
10°	650184	644641	645270
15°	399512	396285	396606
20°	152045	152375	149553
25°	48362	50946	48533
30°	19449	24142	19986
35°	6286	10659	6286
40°	2855	4676	2855
45°	1096	1997	1096
50°	482	965	482
55°	540	540	540
60°	620	620	620
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.2	33.9
10°-20°	590.7	50.3
20°-30°	146.8	12.5
30°-40°	29.3	2.5
40°-50°	5.3	0.5
50°-60°	1.7	0.1
60°-70°	1.2	0.1
70°-80°	0.8	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°	1135.6	96.7
0°-40°	1164.9	99.2
0°-60°	1171.9	99.8
0°-90°	1174.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1174.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4514	4514	4514	4514	4514	
5°	4374	4388	4393	4399	4420	398
15°	2241	2245	2223	2230	2224	593
25°	254	260	268	264	255	143
35°	30	39	51	38	30	24
45°	4	5	8	6	4	4
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4514.0	4514.0	4514.0	4514.0	4514.0
1°	4504.1	4509.5	4513.1	4513.1	4513.1
2°	4491.4	4495.0	4500.4	4501.3	4508.6
3°	4461.5	4469.6	4478.7	4484.1	4487.7
4°	4425.3	4436.1	4441.6	4455.1	4466.9
5°	4373.6	4388.1	4392.6	4399.0	4419.8
6°	4303.9	4314.8	4323.8	4326.5	4339.2
7°	4211.5	4216.9	4215.1	4219.7	4242.3
8°	4071.1	4072.9	4088.3	4078.4	4093.8
9°	3904.5	3897.2	3893.6	3900.9	3901.8
10°	3717.9	3693.4	3686.2	3679.9	3689.8
11°	3476.1	3444.4	3447.1	3445.3	3430.8
12°	3175.4	3171.8	3148.2	3152.7	3174.5
13°	2868.4	2874.7	2870.2	2875.6	2851.1
14°	2580.3	2549.5	2557.7	2526.9	2538.7
15°	2240.7	2245.2	2222.6	2229.8	2224.4
17.5°	1434.6	1444.6	1437.3	1431.0	1441.0
20°	829.6	828.7	831.4	823.3	816.0
22.5°	436.5	442.9	451.0	451.9	457.4
25°	254.5	259.9	268.1	264.5	255.4
27.5°	155.8	165.7	178.4	169.4	158.5
30°	97.8	106.0	121.4	106.9	100.5
32.5°	55.2	67.0	79.7	67.0	55.2
35°	29.9	38.9	50.7	38.0	29.9
37.5°	19.9	22.6	33.5	22.6	19.9
40°	12.7	15.4	20.8	15.4	12.7
42.5°	7.2	10.0	11.8	10.0	7.2
45°	4.5	5.4	8.2	6.3	4.5
47.5°	1.8	2.7	5.4	2.7	2.7
50°	1.8	1.8	3.6	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
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)