

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: P1313557

Luminaire Tested: P3SQAS17R309730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

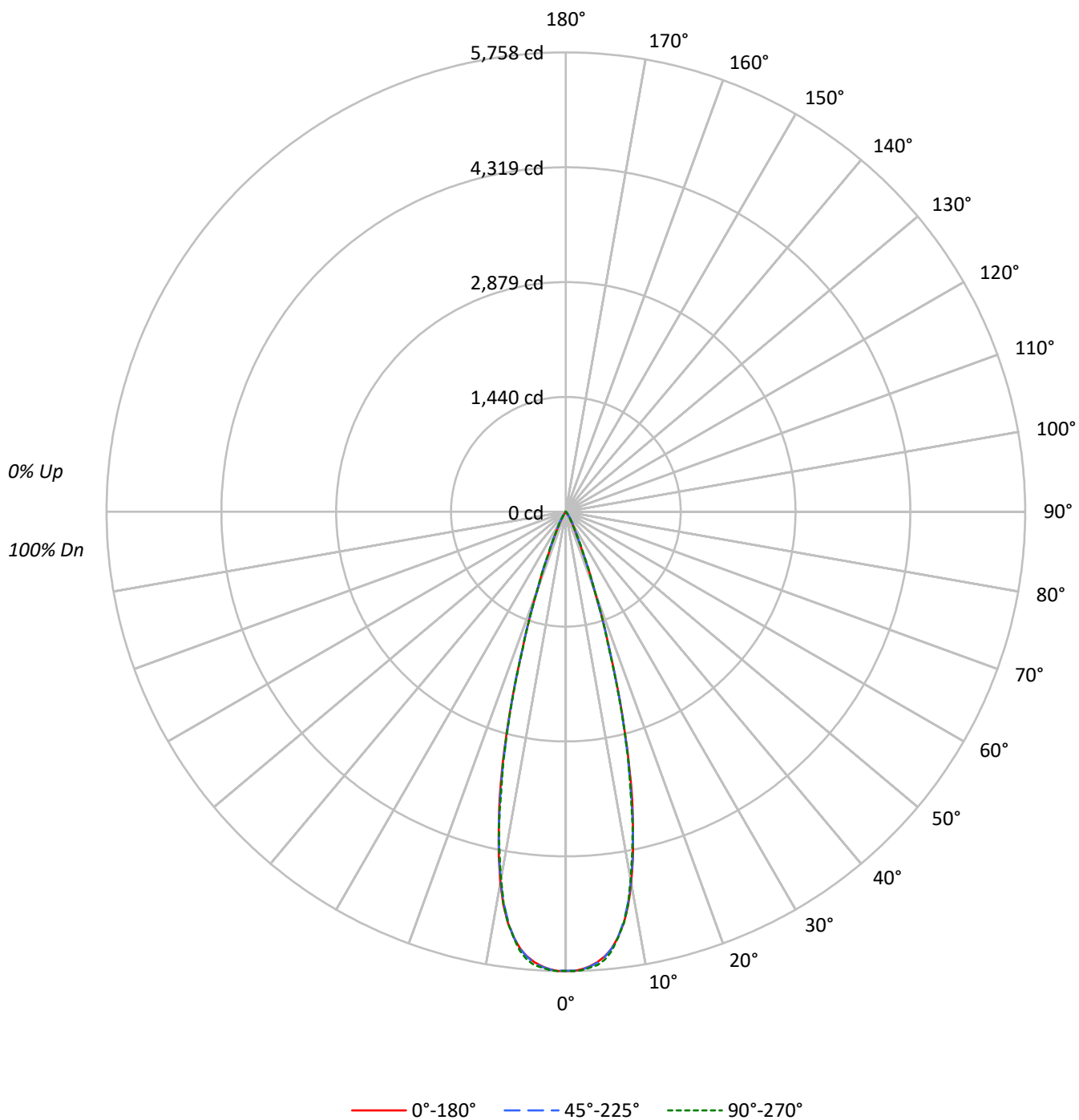
Lumens per Lamp: N/A
Luminaire Lumens: 1485.0 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	991159	991159	991159
5°	966990	968183	973577
10°	825886	822038	817194
15°	509665	503692	505546
20°	192623	193686	193466
25°	59250	64970	61892
30°	23884	30327	24799
35°	7043	12867	7274
40°	2855	5193	2855
45°	560	1681	560
50°	0	322	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 1681 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.6	34.2
10°-20°	751.6	50.6
20°-30°	186.4	12.6
30°-40°	35.0	2.4
40°-50°	4.4	0.3
50°-60°	0.0	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°	1445.6	97.3
0°-40°	1480.6	99.7
0°-60°	1485.0	100.0
0°-90°	1485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5755	5755	5755	5755	5755	
5°	5593	5591	5600	5610	5632	508
15°	2858	2831	2825	2847	2835	755
25°	312	333	342	341	326	180
35°	34	44	61	45	35	28
45°	2	4	7	5	2	3
55°	0	0	0	0	0	0
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°	5755.1	5755.1	5755.1	5755.1	5755.1
1°	5757.4	5752.8	5752.8	5745.8	5758.5
2°	5736.6	5732.0	5740.1	5734.3	5750.5
3°	5705.4	5699.6	5711.2	5714.6	5722.7
4°	5659.2	5654.6	5667.3	5674.2	5696.2
5°	5593.4	5591.1	5600.3	5609.6	5631.5
6°	5503.3	5499.8	5505.6	5517.2	5531.0
7°	5372.8	5365.9	5370.5	5372.8	5376.3
8°	5207.6	5197.2	5191.5	5204.2	5211.1
9°	4995.1	4983.6	4970.9	4966.2	4982.4
10°	4722.6	4705.2	4700.6	4689.1	4672.9
11°	4406.1	4392.2	4388.8	4368.0	4358.7
12°	4043.4	4036.5	4044.6	4031.9	4027.3
13°	3695.8	3651.9	3646.1	3621.9	3609.2
14°	3284.7	3244.2	3243.1	3230.4	3247.7
15°	2858.5	2830.8	2825.0	2846.9	2835.4
17.5°	1822.5	1841.0	1836.4	1824.8	1805.2
20°	1051.0	1038.3	1056.8	1061.4	1055.6
22.5°	560.1	564.8	568.2	582.1	591.3
25°	311.8	332.6	341.9	340.7	325.7
27.5°	194.0	206.7	224.1	212.5	199.8
30°	120.1	130.5	152.5	131.7	124.7
32.5°	64.7	82.0	98.2	82.0	67.0
35°	33.5	43.9	61.2	45.0	34.6
37.5°	21.9	25.4	39.3	25.4	21.9
40°	12.7	16.2	23.1	16.2	12.7
42.5°	5.8	9.2	12.7	9.2	5.8
45°	2.3	3.5	6.9	4.6	2.3
47.5°	0.0	1.2	3.5	1.2	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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)