

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: P1313002

Luminaire Tested: P3SQAS02R709730DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709730DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

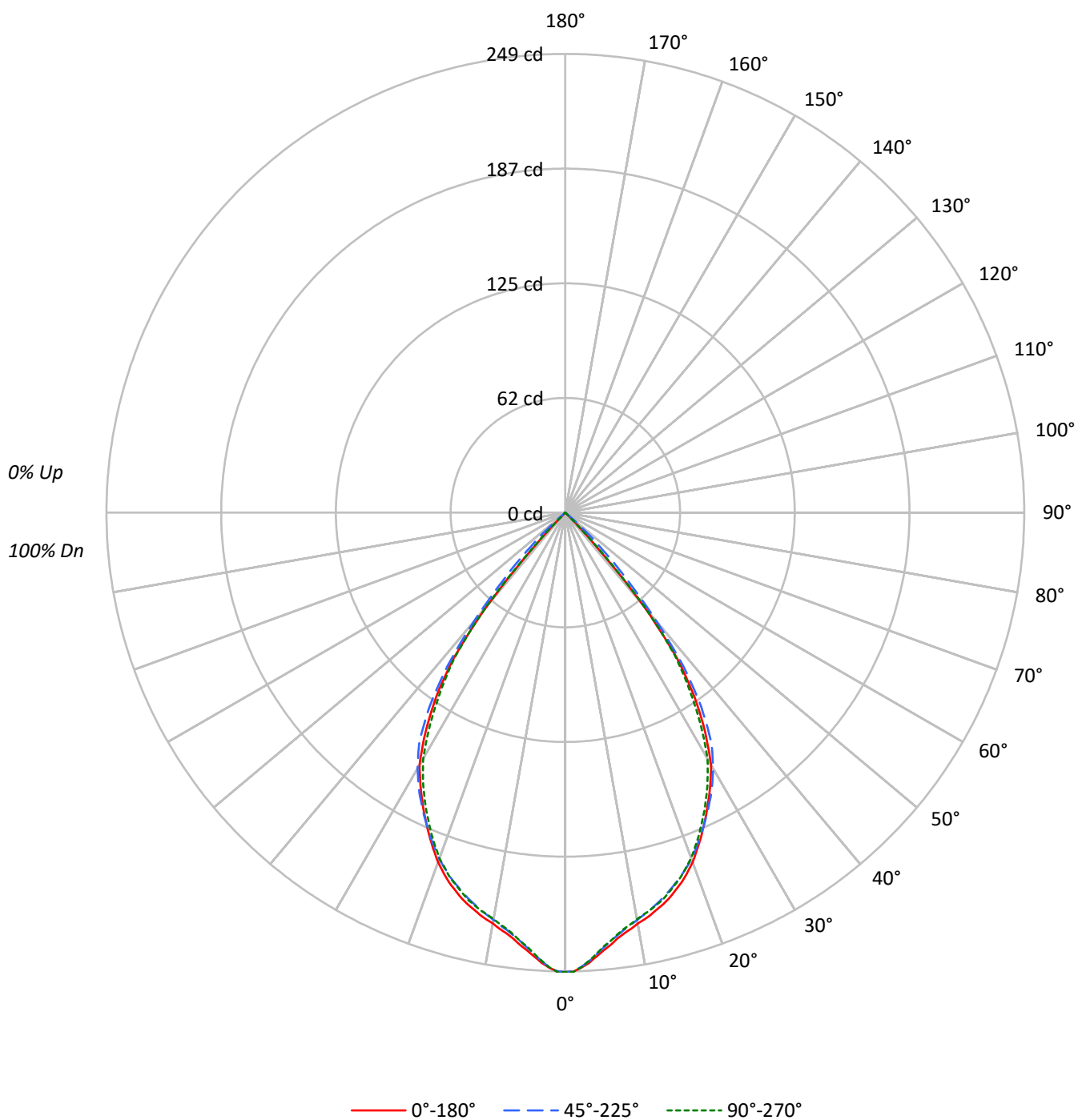
Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	42952	42952	42952
5°	41232	41007	40886
10°	39610	39260	39190
15°	38673	38120	38209
20°	37022	36673	36582
25°	34376	34452	33920
30°	31461	31898	30685
35°	25734	26974	24725
40°	14816	17266	15198
45°	219	7185	755
50°	0	750	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: 7185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	8.6
10°-20°	60.3	23.4
20°-30°	82.8	32.1
30°-40°	75.1	29.1
40°-50°	17.5	6.8
50°-60°	0.1	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°	165.4	64.1
0°-40°	240.5	93.2
0°-60°	258.0	100.0
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	249	249	249	249	249	
5°	238	238	237	237	236	22
15°	217	215	214	214	214	61
25°	181	182	181	180	178	83
35°	122	124	128	123	118	74
45°	1	10	30	13	3	11
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°	249.4	249.4	249.4	249.4	249.4
1°	249.2	248.7	248.9	249.2	249.4
2°	247.2	246.8	246.8	247.0	247.0
3°	244.8	243.9	243.9	243.7	243.7
4°	241.5	240.9	240.4	240.2	240.2
5°	238.5	237.8	237.2	236.7	236.5
6°	235.9	234.8	233.9	233.7	233.9
7°	232.8	232.1	231.3	230.6	230.8
8°	230.6	229.7	228.7	228.2	228.2
9°	228.7	227.8	226.7	225.8	226.3
10°	226.5	225.6	224.5	223.9	224.1
11°	224.9	223.9	222.5	222.1	222.3
12°	223.2	221.9	220.6	220.4	220.8
13°	221.0	219.7	218.4	218.4	218.8
14°	219.1	217.5	216.2	216.2	216.9
15°	216.9	215.3	213.8	213.8	214.3
17.5°	210.3	209.0	207.5	207.5	207.7
20°	202.0	201.4	200.1	199.4	199.6
22.5°	191.6	191.6	190.9	189.8	189.4
25°	180.9	181.7	181.3	179.6	178.5
27.5°	169.7	171.3	171.5	168.9	166.9
30°	158.2	159.5	160.4	157.3	154.3
32.5°	141.2	145.1	147.3	143.1	136.8
35°	122.4	124.1	128.3	122.8	117.6
37.5°	99.5	101.7	105.2	100.8	97.7
40°	65.9	74.6	76.8	74.6	67.6
42.5°	23.8	41.9	50.4	42.8	27.9
45°	0.9	9.8	29.5	12.7	3.1
47.5°	0.0	0.2	13.3	0.4	0.0
50°	0.0	0.0	2.8	0.0	0.0
52.5°	0.0	0.0	0.2	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)