

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: P1308716

Luminaire Tested: P3SQAS02R709035DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308716
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: P3SQAS02R709035DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

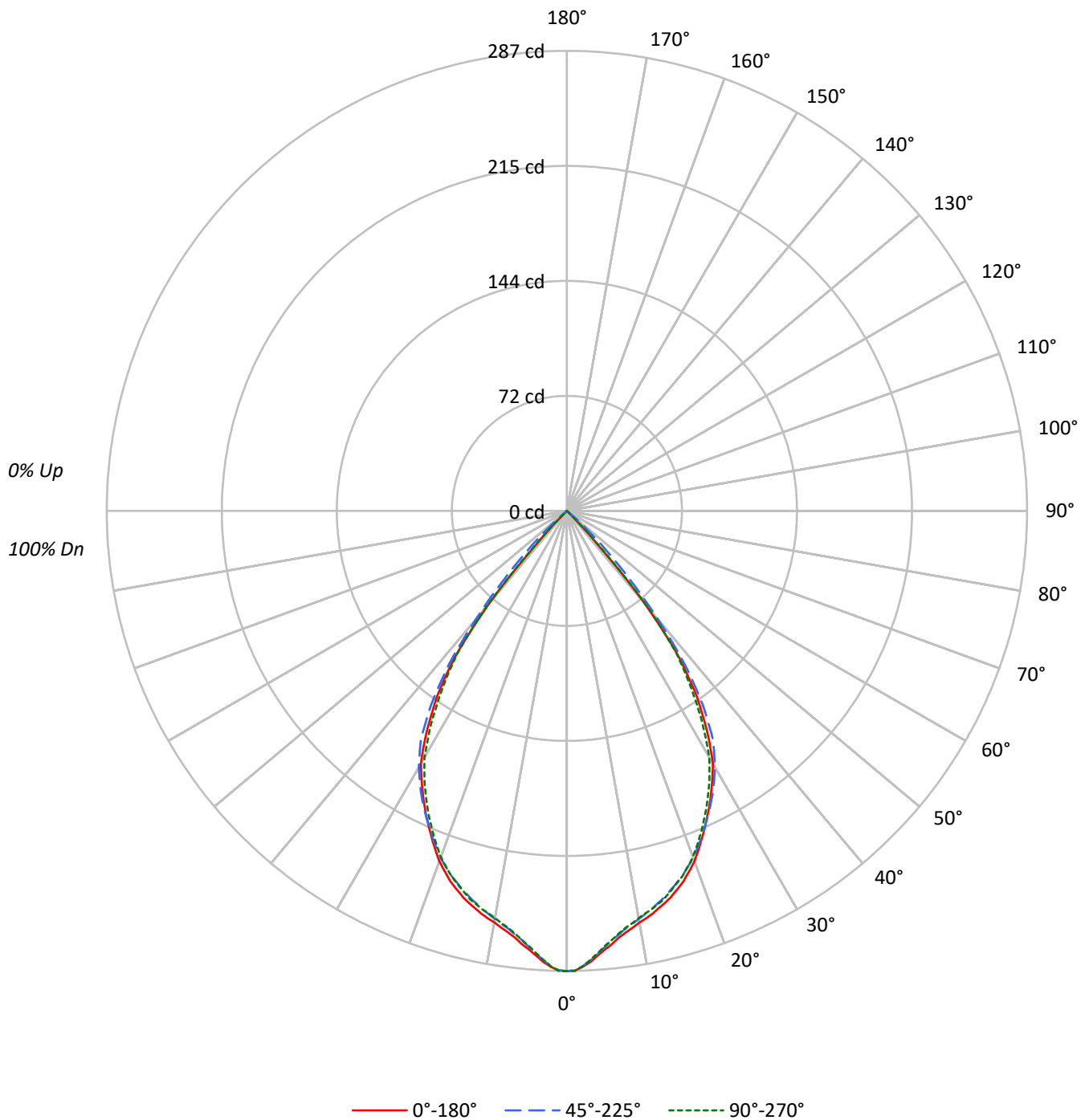
Lumens per Lamp: N/A
Luminaire Lumens: 297.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	49445	49445	49445
5°	47456	47196	47075
10°	45591	45189	45101
15°	44521	43879	43968
20°	42630	42208	42117
25°	39564	39659	39031
30°	36213	36711	35319
35°	29624	31053	28467
40°	17064	19874	17514
45°	244	8257	852
50°	0	884	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: 8257 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.6	8.6
10°-20°	69.4	23.4
20°-30°	95.3	32.1
30°-40°	86.4	29.1
40°-50°	20.1	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°	190.4	64.1
0°-40°	276.8	93.2
0°-60°	297.0	100.0
0°-90°	297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	287	287	287	287	287	
5°	274	274	273	272	272	26
15°	250	248	246	246	247	70
25°	208	209	209	207	205	96
35°	141	143	148	141	135	85
45°	1	11	34	15	4	12
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°	287.1	287.1	287.1	287.1	287.1
1°	286.8	286.3	286.6	286.8	287.1
2°	284.6	284.1	284.1	284.3	284.3
3°	281.8	280.8	280.8	280.5	280.5
4°	278.0	277.3	276.8	276.5	276.5
5°	274.5	273.8	273.0	272.5	272.3
6°	271.5	270.2	269.2	269.0	269.2
7°	268.0	267.2	266.2	265.5	265.7
8°	265.5	264.5	263.2	262.7	262.7
9°	263.2	262.2	261.0	260.0	260.5
10°	260.7	259.7	258.4	257.7	257.9
11°	258.9	257.7	256.2	255.7	255.9
12°	256.9	255.4	253.9	253.7	254.2
13°	254.4	252.9	251.4	251.4	251.9
14°	252.2	250.4	248.9	248.9	249.7
15°	249.7	247.9	246.1	246.1	246.6
17.5°	242.1	240.6	238.9	238.9	239.1
20°	232.6	231.8	230.3	229.6	229.8
22.5°	220.5	220.5	219.8	218.5	218.0
25°	208.2	209.2	208.7	206.7	205.4
27.5°	195.4	197.2	197.4	194.4	192.1
30°	182.1	183.6	184.6	181.1	177.6
32.5°	162.5	167.0	169.5	164.8	157.5
35°	140.9	142.9	147.7	141.4	135.4
37.5°	114.5	117.0	121.1	116.0	112.5
40°	75.9	85.9	88.4	85.9	77.9
42.5°	27.4	48.2	58.0	49.2	32.1
45°	1.0	11.3	33.9	14.6	3.5
47.5°	0.0	0.3	15.3	0.5	0.0
50°	0.0	0.0	3.3	0.0	0.0
52.5°	0.0	0.0	0.3	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)