

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: P1317641

Luminaire Tested: P3SQAS02R709835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

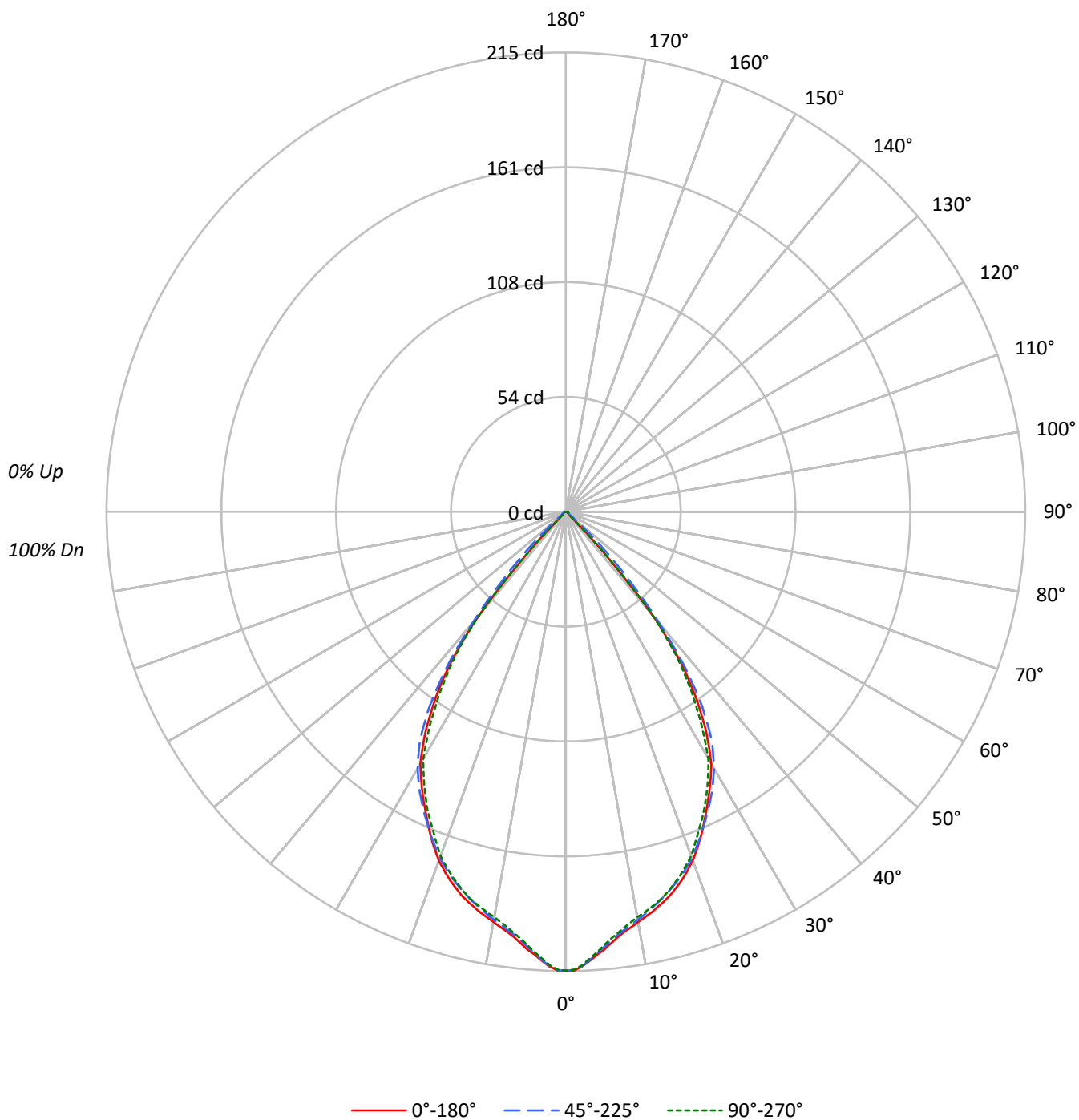
Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	36993	36993	36993
5°	35562	35354	35233
10°	34101	33909	33682
15°	33253	32878	32842
20°	31853	31615	31413
25°	29492	29701	29150
30°	27085	27583	26529
35°	22349	23400	21487
40°	14231	15310	14231
45°	999	6625	1096
50°	455	1340	455
55°	510	510	510
60°	517	517	517
65°	448	530	448
70°	453	554	453
75°	466	466	466
80°	595	595	595
85°	395	790	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6625 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.2	8.4
10°-20°	51.9	22.7
20°-30°	71.3	31.1
30°-40°	65.3	28.5
40°-50°	17.3	7.6
50°-60°	1.6	0.7
60°-70°	1.3	0.5
70°-80°	0.8	0.4
80°-90°	0.3	0.1
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°	142.4	62.2
0°-40°	207.7	90.7
0°-60°	226.6	98.9
0°-90°	229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	215	215	215	215	215	
5°	206	205	204	204	204	19
15°	186	185	184	184	184	52
25°	155	156	156	154	153	71
35°	106	108	111	106	102	64
45°	4	14	27	14	4	12
55°	2	2	2	2	2	1
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	214.8	214.8	214.8	214.8	214.8
1°	214.8	214.4	214.8	214.8	214.4
2°	213.1	212.7	212.9	212.7	212.5
3°	210.7	210.1	210.3	209.9	209.6
4°	207.9	207.3	207.3	207.1	206.8
5°	205.7	204.7	204.5	204.2	203.8
6°	203.0	202.1	201.9	201.4	201.0
7°	200.4	199.7	199.5	198.8	198.8
8°	198.4	197.5	197.5	196.5	196.5
9°	196.7	195.6	195.6	194.9	194.5
10°	195.0	193.9	193.9	193.0	192.6
11°	193.4	192.4	192.1	191.5	191.3
12°	191.9	190.6	190.2	190.0	189.6
13°	190.0	188.7	188.3	188.2	188.0
14°	188.3	186.7	186.5	186.1	186.3
15°	186.5	184.8	184.4	184.4	184.2
17.5°	180.7	179.6	179.0	178.7	178.3
20°	173.8	172.9	172.5	171.8	171.4
22.5°	164.9	164.7	164.5	163.6	162.1
25°	155.2	155.8	156.3	154.5	153.4
27.5°	145.9	147.4	148.0	146.1	143.7
30°	136.2	137.5	138.7	136.0	133.4
32.5°	122.3	125.4	127.1	124.1	118.2
35°	106.3	107.9	111.3	106.3	102.2
37.5°	87.7	88.6	91.2	87.8	85.1
40°	63.3	66.1	68.1	66.1	63.3
42.5°	28.5	39.8	45.0	42.1	29.8
45°	4.1	14.0	27.2	14.1	4.5
47.5°	1.7	2.2	14.1	2.0	1.7
50°	1.7	1.7	5.0	1.7	1.7
52.5°	1.7	1.7	1.9	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.5	1.5	1.7	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5
62.5°	1.3	1.5	1.5	1.5	1.3
65°	1.1	1.3	1.3	1.3	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	1.1	1.1	1.1	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.6	0.7	0.7	0.7	0.6
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	0.2
87.5°	0.2	0.2	0.2	0.2	0.2



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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)