

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: P1316476

Luminaire Tested: P3SQAS17R709827DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R709827DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

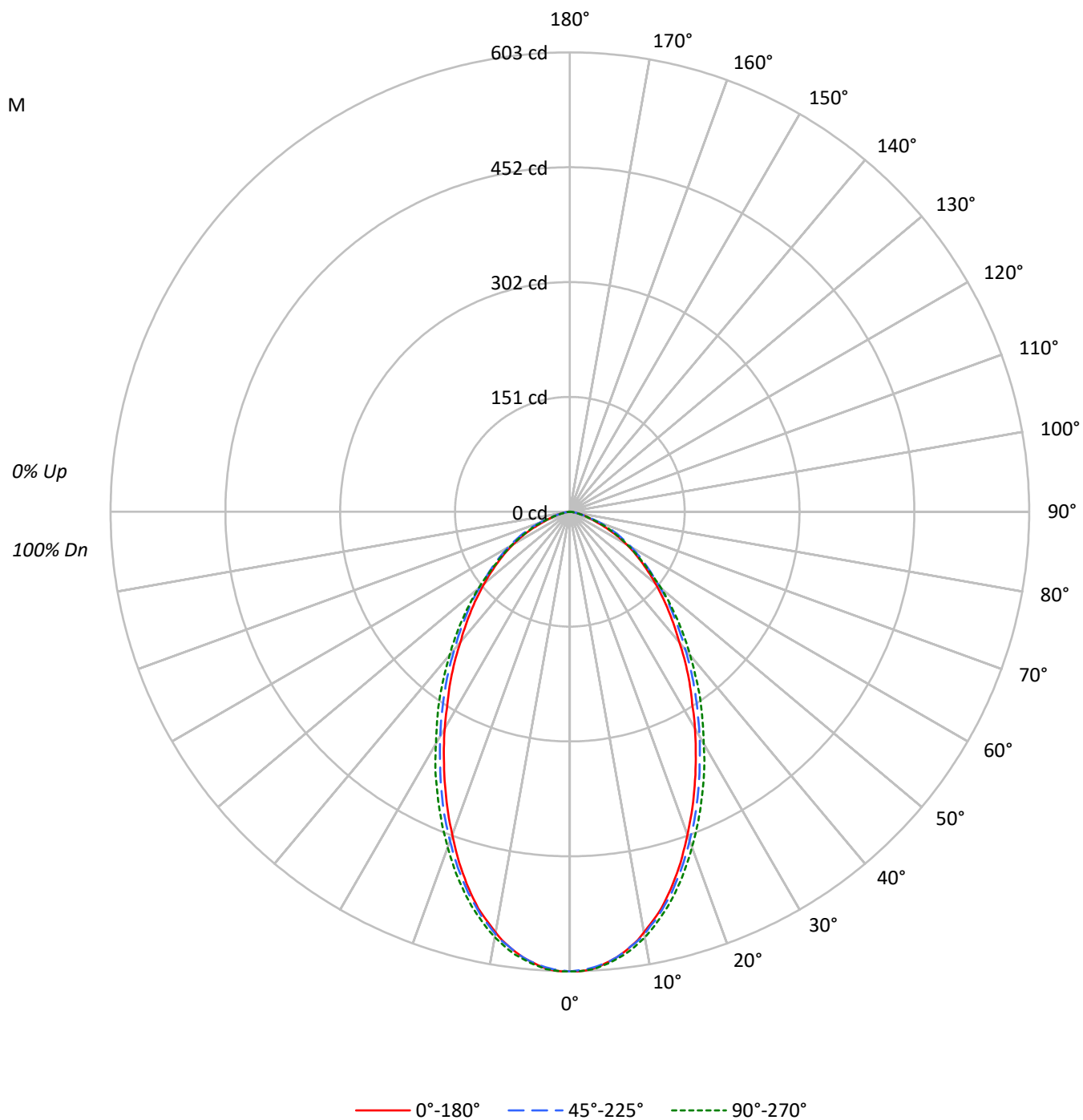
Lumens per Lamp: N/A
Luminaire Lumens: 906.0 lumens
Efficiency: N/A
Efficacy: 44.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	111	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	103919	103919	103919
5°	102414	102414	102795
10°	98055	98440	99192
15°	91378	92162	93321
20°	82694	84288	85901
25°	73882	75954	78044
30°	65327	67734	69901
35°	57565	60088	62632
40°	50225	52923	55149
45°	44547	46934	48541
50°	39305	41369	41958
55°	34530	36512	35521
60°	29795	32068	30552
65°	23636	27670	24981
70°	17070	21501	18732
75°	13109	13841	11645
80°	8728	8728	6546
85°	4347	4347	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 48541 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.6	6.1
10°-20°	144.4	15.9
20°-30°	183.5	20.3
30°-40°	178.5	19.7
40°-50°	148.4	16.4
50°-60°	107.0	11.8
60°-70°	63.0	7.0
70°-80°	22.3	2.5
80°-90°	3.3	0.4
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°	383.5	42.3
0°-40°	562.0	62.0
0°-60°	817.4	90.2
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	603	603	603	603	603	
5°	592	591	592	592	595	56
15°	512	512	517	520	523	143
25°	389	393	400	407	411	179
35°	274	277	286	294	298	171
45°	183	186	193	197	199	141
55°	115	118	122	120	118	103
65°	58	62	68	65	61	58
75°	20	21	21	19	18	21
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	603.4	603.4	603.4	603.4	603.4
1°	603.4	602.3	602.3	602.3	603.4
2°	602.3	601.2	601.2	601.2	602.3
3°	600.1	599.0	599.0	599.0	601.2
4°	596.8	594.6	595.7	595.7	597.9
5°	592.4	591.3	592.4	592.4	594.6
6°	588.1	587.0	588.1	588.1	590.2
7°	582.6	581.5	582.6	583.7	585.9
8°	576.0	574.9	576.0	577.1	580.4
9°	569.4	568.3	570.5	571.6	573.8
10°	560.7	560.7	562.9	564.0	567.2
11°	551.9	551.9	554.1	556.3	559.6
12°	543.2	543.2	546.4	548.6	550.8
13°	534.4	533.3	536.6	538.8	542.1
14°	523.4	522.4	526.7	530.0	533.3
15°	512.5	512.5	516.9	520.2	523.4
17.5°	482.9	484.0	489.5	493.9	497.2
20°	451.2	454.5	459.9	465.4	468.7
22.5°	420.5	422.7	430.4	436.9	440.2
25°	388.8	393.1	399.7	407.4	410.7
27.5°	358.1	362.5	369.0	376.7	382.2
30°	328.5	331.8	340.6	348.2	351.5
32.5°	299.0	303.3	312.1	319.8	324.1
35°	273.8	277.1	285.8	293.5	297.9
37.5°	248.6	251.9	260.6	267.2	270.5
40°	223.4	228.9	235.4	242.0	245.3
42.5°	202.6	207.0	213.5	219.0	222.3
45°	182.9	186.2	192.7	197.1	199.3
47.5°	164.3	167.5	174.1	176.3	177.4
50°	146.7	150.0	154.4	155.5	156.6
52.5°	130.3	132.5	136.9	136.9	135.8
55°	115.0	118.3	121.6	120.5	118.3
57.5°	100.7	101.8	107.3	105.1	102.9
60°	86.5	88.7	93.1	90.9	88.7
62.5°	72.3	74.5	79.9	77.8	74.5
65°	58.0	62.4	67.9	64.6	61.3
67.5°	43.8	49.3	54.8	51.5	49.3
70°	33.9	38.3	42.7	39.4	37.2
72.5°	26.3	28.5	30.7	28.5	26.3
75°	19.7	20.8	20.8	18.6	17.5
77.5°	14.2	15.3	13.1	11.0	11.0
80°	8.8	9.9	8.8	6.6	6.6
82.5°	4.4	5.5	4.4	4.4	4.4
85°	2.2	2.2	2.2	2.2	2.2
87.5°	1.1	1.1	1.1	1.1	1.1



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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)