

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: P1313499

Luminaire Tested: P3SQAS13R709730DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313499
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: P3SQAS13R709730DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

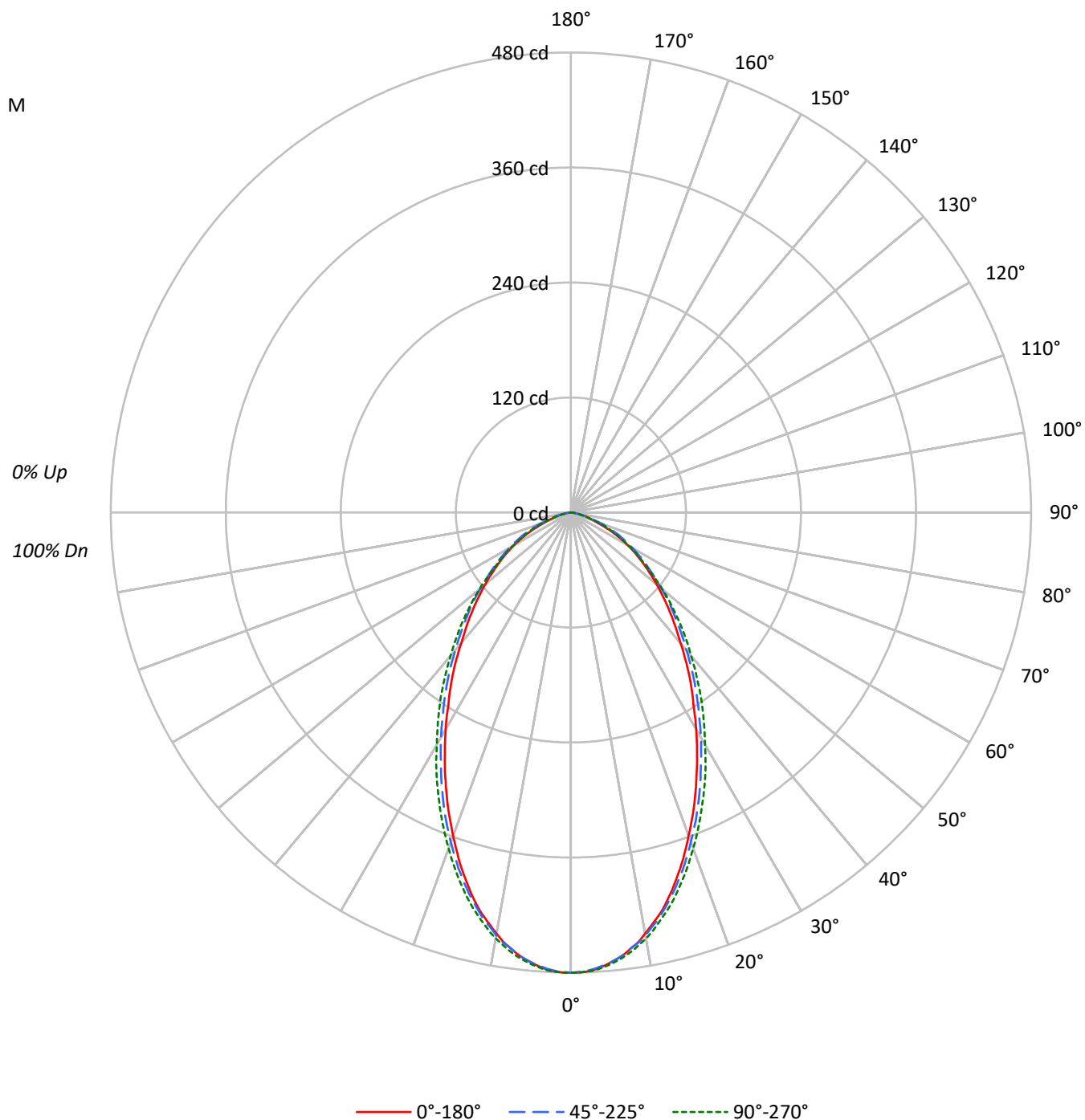
Lumens per Lamp: N/A
Luminaire Lumens: 721.0 lumens
Efficiency: N/A
Efficacy: 49.4 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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°	82701	82701	82701
5°	81513	81513	81807
10°	78031	78329	78941
15°	72710	73334	74279
20°	65796	67079	68362
25°	58794	60447	62101
30°	51983	53893	55623
35°	45812	47831	49828
40°	39973	42131	43885
45°	35438	37362	38629
50°	31294	32929	33384
55°	27474	29035	28255
60°	23698	25523	24318
65°	18827	22006	19887
70°	13596	17121	14905
75°	10447	11046	9249
80°	6943	6943	5157
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 38629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.3	6.1
10°-20°	114.9	15.9
20°-30°	146.0	20.3
30°-40°	142.1	19.7
40°-50°	118.1	16.4
50°-60°	85.2	11.8
60°-70°	50.1	7.0
70°-80°	17.8	2.5
80°-90°	2.6	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°	305.2	42.3
0°-40°	447.3	62.0
0°-60°	650.5	90.2
0°-90°	721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	480	480	480	480	480	
5°	472	471	472	472	473	44
15°	408	408	411	414	417	114
25°	309	313	318	324	327	142
35°	218	220	228	234	237	136
45°	146	148	153	157	159	113
55°	92	94	97	96	94	82
65°	46	50	54	51	49	46
75°	16	17	17	15	14	17
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°	480.2	480.2	480.2	480.2	480.2
1°	480.2	479.3	479.3	479.3	480.2
2°	479.3	478.4	478.4	478.4	479.3
3°	477.6	476.7	476.7	476.7	478.4
4°	474.9	473.2	474.1	474.1	475.8
5°	471.5	470.6	471.5	471.5	473.2
6°	468.0	467.1	468.0	468.0	469.7
7°	463.6	462.7	463.6	464.5	466.2
8°	458.4	457.5	458.4	459.3	461.9
9°	453.2	452.3	454.0	454.9	456.6
10°	446.2	446.2	447.9	448.8	451.4
11°	439.2	439.2	441.0	442.7	445.3
12°	432.2	432.2	434.9	436.6	438.3
13°	425.3	424.4	427.0	428.8	431.4
14°	416.6	415.7	419.2	421.8	424.4
15°	407.8	407.8	411.3	413.9	416.6
17.5°	384.3	385.2	389.5	393.0	395.6
20°	359.0	361.7	366.0	370.4	373.0
22.5°	334.6	336.4	342.5	347.7	350.3
25°	309.4	312.9	318.1	324.2	326.8
27.5°	285.0	288.5	293.7	299.8	304.1
30°	261.4	264.1	271.0	277.1	279.7
32.5°	237.9	241.4	248.4	254.5	258.0
35°	217.9	220.5	227.5	233.6	237.0
37.5°	197.8	200.4	207.4	212.6	215.3
40°	177.8	182.1	187.4	192.6	195.2
42.5°	161.2	164.7	169.9	174.3	176.9
45°	145.5	148.1	153.4	156.9	158.6
47.5°	130.7	133.3	138.6	140.3	141.2
50°	116.8	119.4	122.9	123.7	124.6
52.5°	103.7	105.4	108.9	108.9	108.1
55°	91.5	94.1	96.7	95.9	94.1
57.5°	80.2	81.0	85.4	83.7	81.9
60°	68.8	70.6	74.1	72.3	70.6
62.5°	57.5	59.3	63.6	61.9	59.3
65°	46.2	49.7	54.0	51.4	48.8
67.5°	34.9	39.2	43.6	41.0	39.2
70°	27.0	30.5	34.0	31.4	29.6
72.5°	20.9	22.7	24.4	22.7	20.9
75°	15.7	16.6	16.6	14.8	13.9
77.5°	11.3	12.2	10.5	8.7	8.7
80°	7.0	7.8	7.0	5.2	5.2
82.5°	3.5	4.4	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.9	0.9	0.9	0.9	0.9



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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)