

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: P1316328

Luminaire Tested: P3SQAS13R709827DE010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709827DE010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

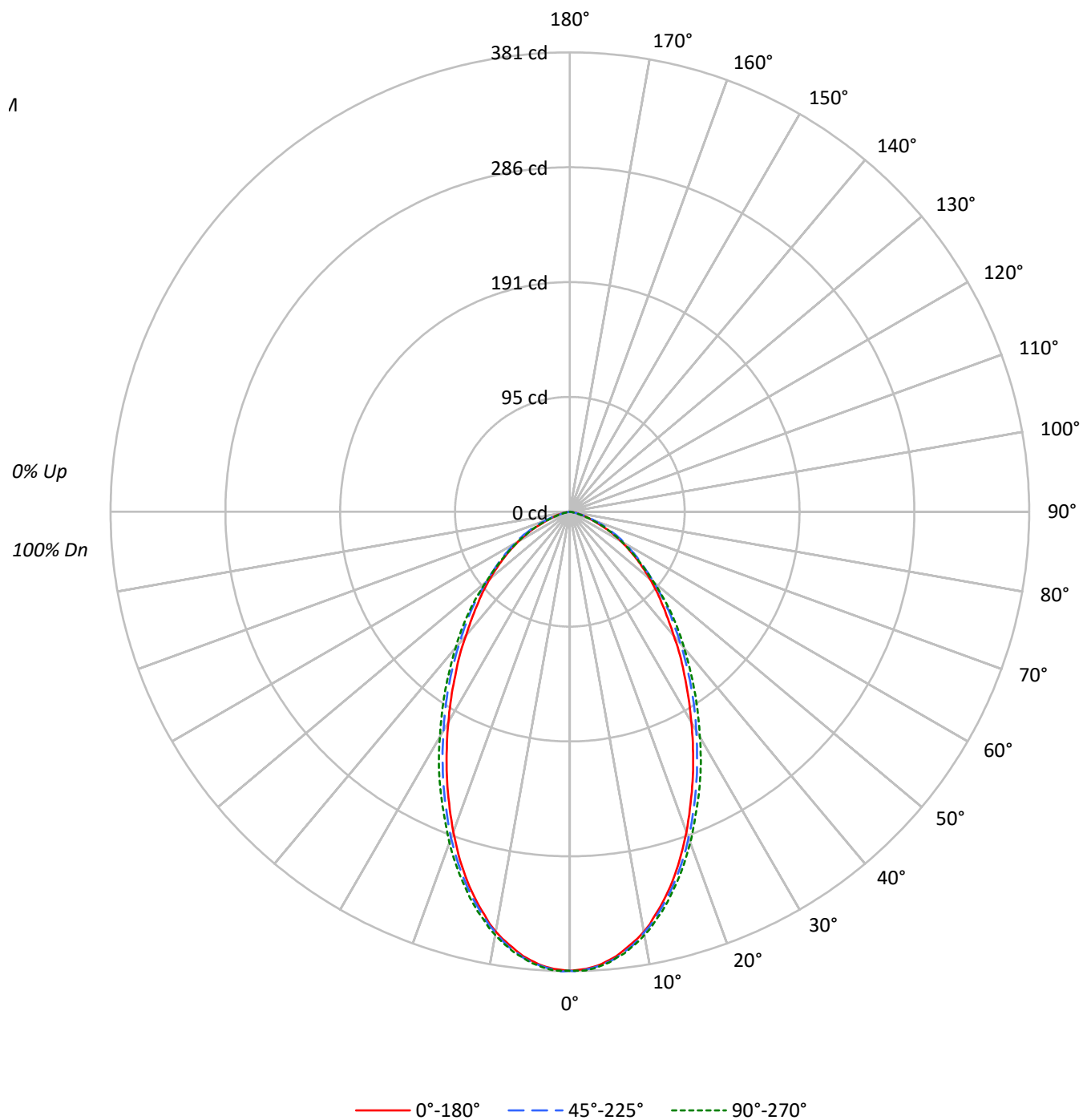
Lumens per Lamp: N/A
Luminaire Lumens: 545.0 lumens
Efficiency: N/A
Efficacy: 37.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65565	65565	65565
5°	64536	64761	64882
10°	61837	61960	62327
15°	57394	57876	58357
20°	51794	52802	53535
25°	45872	47165	48305
30°	40071	41682	42895
35°	34838	36688	37823
40°	30103	32082	33139
45°	26353	28155	28984
50°	23203	24275	24275
55°	20087	21108	20508
60°	17016	18152	17222
65°	13244	15160	13774
70°	9517	11229	9517
75°	7187	6721	5390
80°	4661	3372	1389
85°	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 28984 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	6.4
10°-20°	90.6	16.6
20°-30°	113.7	20.9
30°-40°	108.6	19.9
40°-50°	88.3	16.2
50°-60°	61.8	11.3
60°-70°	34.9	6.4
70°-80°	11.1	2.0
80°-90°	0.9	0.2
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°	239.4	43.9
0°-40°	348.0	63.9
0°-60°	498.2	91.4
0°-90°	545.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	381	381	381	381	381	
5°	373	374	375	374	375	35
15°	322	322	325	325	327	90
25°	241	244	248	252	254	111
35°	166	168	174	178	180	104
45°	108	111	116	118	119	84
55°	67	68	70	69	68	60
65°	32	34	37	35	34	33
75°	11	11	10	9	8	12
85°	1	1	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	380.7	380.7	380.7	380.7	380.7
1°	380.0	380.7	381.4	380.0	380.7
2°	379.3	380.0	380.0	379.3	380.7
3°	378.0	378.7	378.7	378.0	379.3
4°	376.0	376.6	376.6	376.0	377.3
5°	373.3	373.9	374.6	373.9	375.3
6°	370.6	371.2	371.9	371.2	371.9
7°	366.5	367.8	367.8	367.8	369.2
8°	362.4	363.8	364.5	363.8	365.1
9°	358.4	359.1	359.7	359.7	361.1
10°	353.6	354.3	354.3	355.0	356.4
11°	348.2	348.2	349.6	349.6	351.6
12°	341.5	342.2	343.5	344.2	345.5
13°	335.4	336.1	337.4	338.1	340.1
14°	328.6	330.0	331.3	332.0	334.0
15°	321.9	322.5	324.6	325.2	327.3
17.5°	302.9	303.6	307.0	308.3	310.4
20°	282.6	284.7	288.1	290.1	292.1
22.5°	261.7	263.7	267.8	271.2	272.5
25°	241.4	244.1	248.2	252.2	254.2
27.5°	221.1	223.8	228.6	232.6	235.3
30°	201.5	204.2	209.6	213.0	215.7
32.5°	183.2	186.0	192.0	195.4	197.4
35°	165.7	168.4	174.5	177.8	179.9
37.5°	150.1	152.8	158.2	161.6	163.0
40°	133.9	137.3	142.7	146.1	147.4
42.5°	120.4	123.1	128.5	131.2	133.2
45°	108.2	110.9	115.6	117.7	119.0
47.5°	97.4	98.7	102.8	103.5	104.8
50°	86.6	87.9	90.6	91.3	90.6
52.5°	76.4	77.8	79.8	79.1	79.1
55°	66.9	67.6	70.3	69.0	68.3
57.5°	57.5	58.8	61.5	59.5	58.8
60°	49.4	50.7	52.7	51.4	50.0
62.5°	41.2	41.9	45.3	42.6	41.2
65°	32.5	34.5	37.2	35.2	33.8
67.5°	24.3	27.7	30.4	27.7	26.4
70°	18.9	20.3	22.3	21.0	18.9
72.5°	14.2	14.9	15.6	14.2	12.8
75°	10.8	10.8	10.1	8.8	8.1
77.5°	7.4	7.4	6.1	4.1	4.1
80°	4.7	4.7	3.4	1.4	1.4
82.5°	2.0	2.0	1.4	0.7	0.7
85°	0.7	0.7	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)