

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: P1313386

Luminaire Tested: P3SQAS13R209730DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209730DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

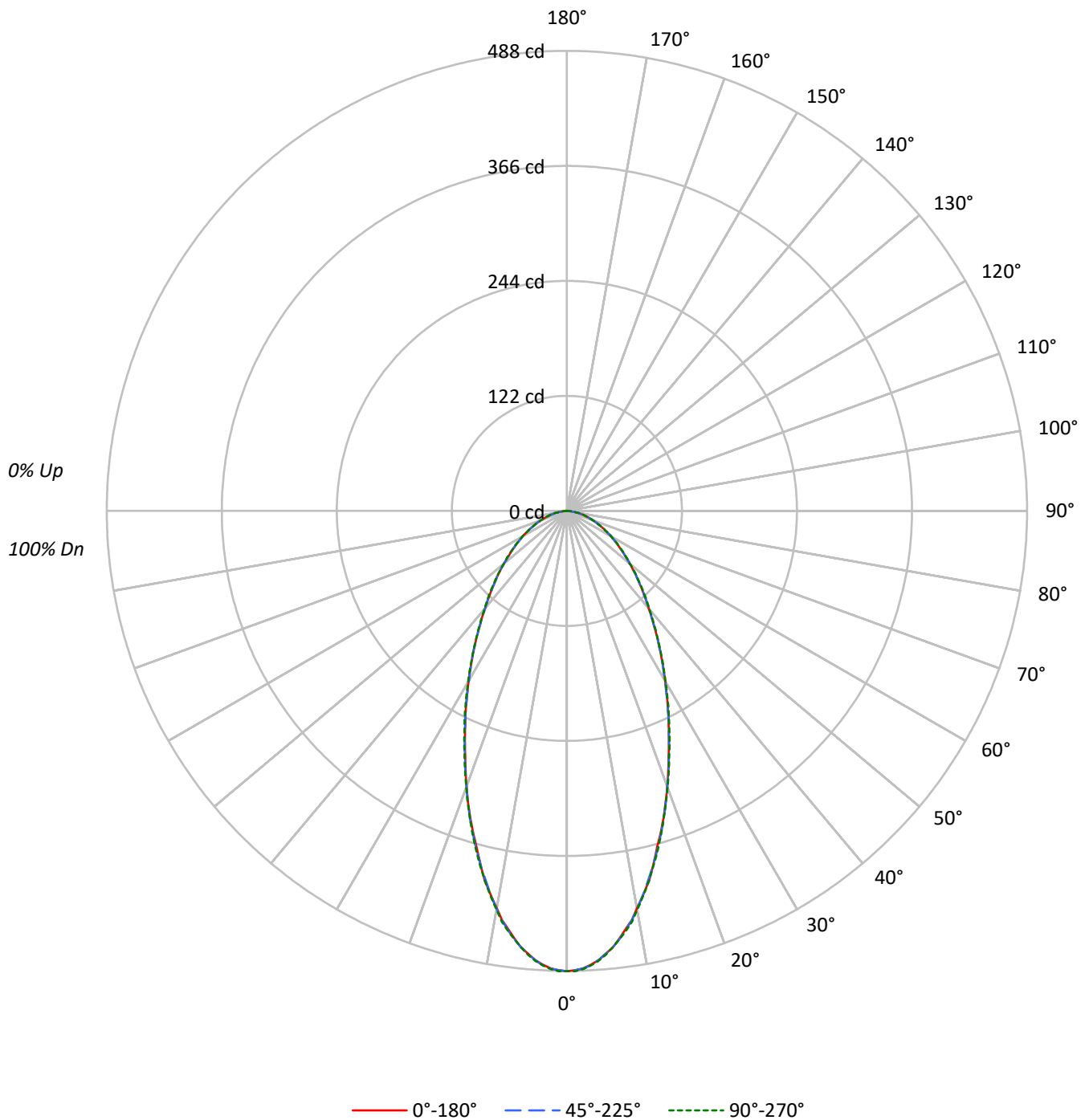
Lumens per Lamp: N/A
Luminaire Lumens: 584.0 lumens
Efficiency: N/A
Efficacy: 40.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	84096	84096	84096
5°	81548	81548	81703
10°	74866	75023	75163
15°	65917	66220	66380
20°	57054	57054	57200
25°	48552	48552	48875
30°	41444	41265	41623
35°	35384	35384	35552
40°	30373	30373	30576
45°	26548	26548	26767
50°	23364	23364	23364
55°	20688	20688	20958
60°	18634	18634	18634
65°	16708	16708	16708
70°	14905	14905	14905
75°	13375	12776	13375
80°	11207	11207	11207
85°	6916	6916	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 26767 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.7	7.5
10°-20°	103.4	17.7
20°-30°	117.7	20.2
30°-40°	105.7	18.1
40°-50°	84.7	14.5
50°-60°	62.2	10.7
60°-70°	40.7	7.0
70°-80°	21.1	3.6
80°-90°	4.9	0.8
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°	264.7	45.3
0°-40°	370.4	63.4
0°-60°	517.4	88.6
0°-90°	584.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	584.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	488	488	488	488	488	
5°	472	472	472	472	473	44
15°	370	370	371	371	372	103
25°	256	256	256	256	257	118
35°	168	168	168	168	169	106
45°	109	109	109	109	110	85
55°	69	69	69	69	70	62
65°	41	40	41	41	41	41
75°	20	19	19	20	20	21
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	488.3	488.3	488.3	488.3	488.3
1°	487.4	486.5	487.4	487.4	488.3
2°	485.6	485.6	485.6	484.8	486.5
3°	482.1	482.1	483.0	482.1	483.0
4°	477.8	477.8	477.8	476.9	478.7
5°	471.7	471.7	471.7	471.7	472.6
6°	465.6	464.7	465.6	464.7	465.6
7°	456.9	456.9	457.7	456.9	457.7
8°	448.1	447.3	449.0	448.1	449.9
9°	439.4	438.6	439.4	438.6	441.2
10°	428.1	429.0	429.0	429.0	429.8
12.5°	401.9	400.2	400.2	400.2	401.9
15°	369.7	369.7	371.4	371.4	372.3
17.5°	340.9	340.0	341.8	341.8	341.8
20°	311.3	310.4	311.3	311.3	312.1
22.5°	281.6	282.5	282.5	282.5	283.4
25°	255.5	255.5	255.5	256.3	257.2
27.5°	231.0	230.2	231.0	231.9	232.8
30°	208.4	207.5	207.5	208.4	209.3
32.5°	187.5	186.6	187.5	187.5	188.3
35°	168.3	168.3	168.3	168.3	169.1
37.5°	150.8	150.8	150.8	151.7	151.7
40°	135.1	135.1	135.1	136.0	136.0
42.5°	121.2	121.2	121.2	122.1	122.9
45°	109.0	109.0	109.0	109.0	109.9
47.5°	97.7	97.7	97.7	98.5	98.5
50°	87.2	86.3	87.2	88.1	87.2
52.5°	77.6	77.6	77.6	77.6	78.5
55°	68.9	68.9	68.9	68.9	69.8
57.5°	61.0	61.0	61.0	61.9	61.9
60°	54.1	54.1	54.1	54.1	54.1
62.5°	47.1	47.1	47.1	47.1	47.1
65°	41.0	40.1	41.0	41.0	41.0
67.5°	34.9	34.9	34.9	34.9	34.9
70°	29.6	29.6	29.6	29.6	29.6
72.5°	24.4	24.4	24.4	24.4	24.4
75°	20.1	19.2	19.2	20.1	20.1
77.5°	15.7	14.8	15.7	15.7	15.7
80°	11.3	11.3	11.3	11.3	11.3
82.5°	7.0	7.0	7.0	7.8	7.8
85°	3.5	3.5	3.5	4.4	4.4
87.5°	0.9	0.9	0.9	1.7	1.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)