

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: P1316268

Luminaire Tested: P3SQAS13R359827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

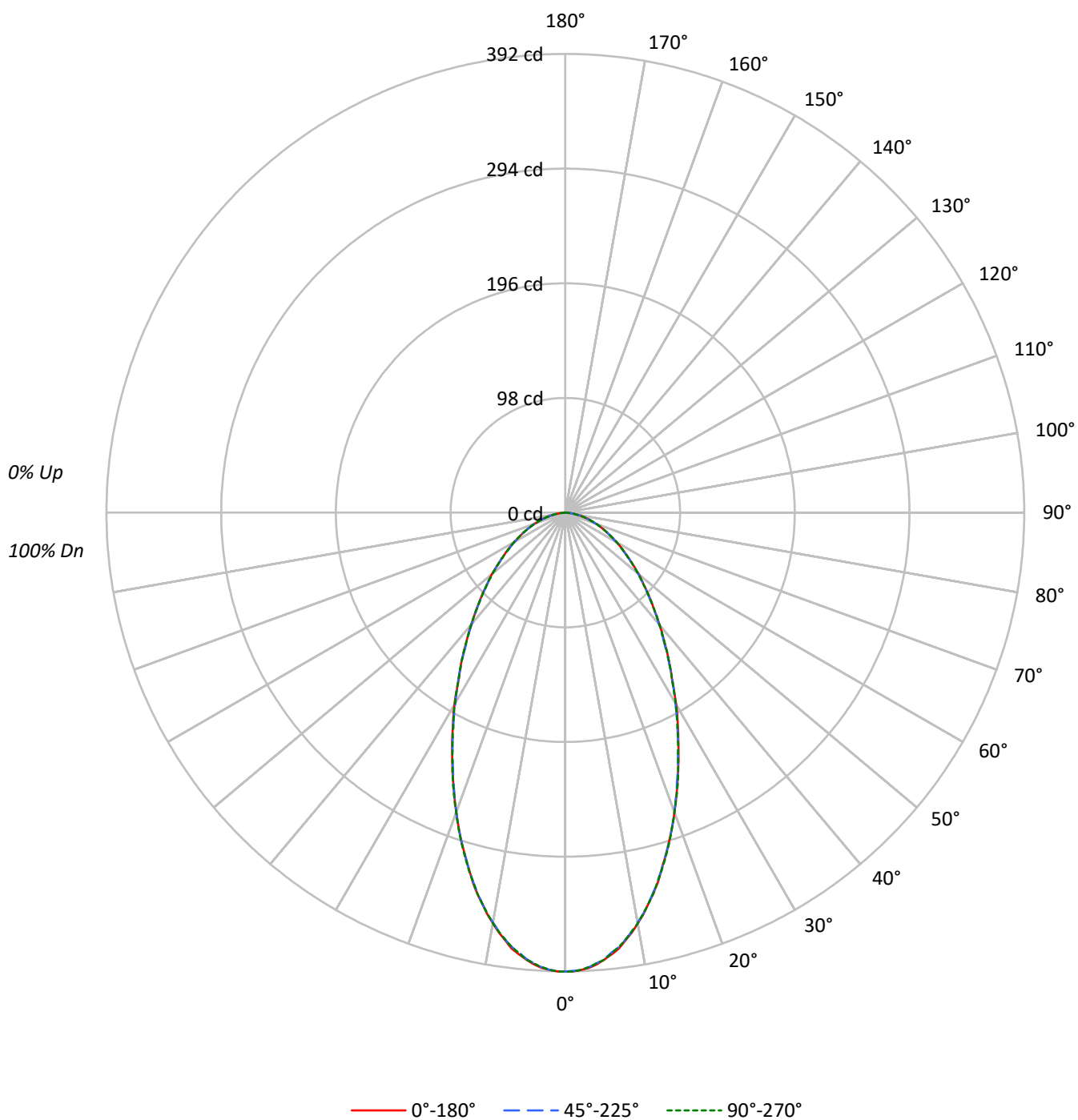
Lumens per Lamp: N/A
Luminaire Lumens: 524.0 lumens
Efficiency: N/A
Efficacy: 36.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	67546	67546	67546
5°	66282	66179	66282
10°	62327	62205	62327
15°	56431	56431	56556
20°	49943	49943	49943
25°	43440	43307	43307
30°	37665	37387	37526
35°	32420	32273	32420
40°	28125	27968	28125
45°	24697	24551	24551
50°	21917	21756	21756
55°	19277	19277	19277
60°	17463	17222	17463
65°	15689	15689	15689
70°	13948	13948	13948
75°	12576	12177	12576
80°	10711	10711	10711
85°	6719	6719	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 24697 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.7	6.8
10°-20°	88.3	16.8
20°-30°	104.9	20.0
30°-40°	96.4	18.4
40°-50°	78.3	14.9
50°-60°	57.9	11.1
60°-70°	38.3	7.3
70°-80°	19.8	3.8
80°-90°	4.5	0.9
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°	228.9	43.7
0°-40°	325.3	62.1
0°-60°	461.4	88.1
0°-90°	524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	392	392	392	392	392	
5°	383	383	383	383	383	36
15°	316	316	316	316	317	88
25°	229	228	228	229	228	105
35°	154	154	154	154	154	97
45°	101	101	101	101	101	78
55°	64	64	64	64	64	58
65°	38	38	38	38	38	38
75°	19	19	18	19	19	20
85°	3	3	3	3	3	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	392.2	392.2	392.2	392.2	392.2
1°	392.2	391.6	391.6	391.6	392.2
2°	390.9	390.9	390.9	390.9	390.9
3°	389.5	388.9	388.9	388.9	388.9
4°	386.8	386.1	386.1	386.1	386.1
5°	383.4	382.8	382.8	382.8	383.4
6°	379.4	378.7	378.0	378.0	378.7
7°	375.3	374.0	374.0	374.0	374.0
8°	369.2	368.6	368.6	368.6	368.6
9°	363.2	361.8	362.5	362.5	362.5
10°	356.4	355.7	355.7	355.7	356.4
11°	349.6	349.0	349.0	348.3	349.0
12°	341.5	341.5	341.5	341.5	341.5
13°	334.1	333.4	333.4	333.4	334.1
14°	326.0	325.3	325.3	325.3	325.3
15°	316.5	316.5	316.5	316.5	317.2
17.5°	294.9	294.2	294.9	294.9	295.5
20°	272.5	271.9	272.5	272.5	272.5
22.5°	250.2	250.2	249.5	250.2	250.9
25°	228.6	227.9	227.9	228.6	227.9
27.5°	208.3	207.6	207.6	207.6	207.6
30°	189.4	188.0	188.0	188.7	188.7
32.5°	169.7	169.7	170.4	169.7	169.7
35°	154.2	153.5	153.5	154.2	154.2
37.5°	138.6	138.0	138.0	138.6	138.6
40°	125.1	125.1	124.4	125.1	125.1
42.5°	112.3	112.3	112.3	112.3	112.3
45°	101.4	100.8	100.8	100.8	100.8
47.5°	90.6	90.6	90.6	89.9	90.6
50°	81.8	81.2	81.2	81.2	81.2
52.5°	72.4	72.4	72.4	72.4	72.4
55°	64.2	64.2	64.2	64.2	64.2
57.5°	57.5	56.8	56.8	56.8	56.8
60°	50.7	50.7	50.0	50.7	50.7
62.5°	44.0	44.0	44.0	44.0	44.0
65°	38.5	38.5	38.5	38.5	38.5
67.5°	33.1	33.1	33.1	33.1	33.1
70°	27.7	27.7	27.7	27.7	27.7
72.5°	23.7	23.0	23.0	23.0	23.0
75°	18.9	18.9	18.3	18.9	18.9
77.5°	14.2	14.2	14.2	14.2	14.2
80°	10.8	10.8	10.8	10.1	10.8
82.5°	6.8	6.8	6.8	6.8	6.8
85°	3.4	3.4	3.4	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4



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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)