

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: P1308946

Luminaire Tested: P3SQAS09R259035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

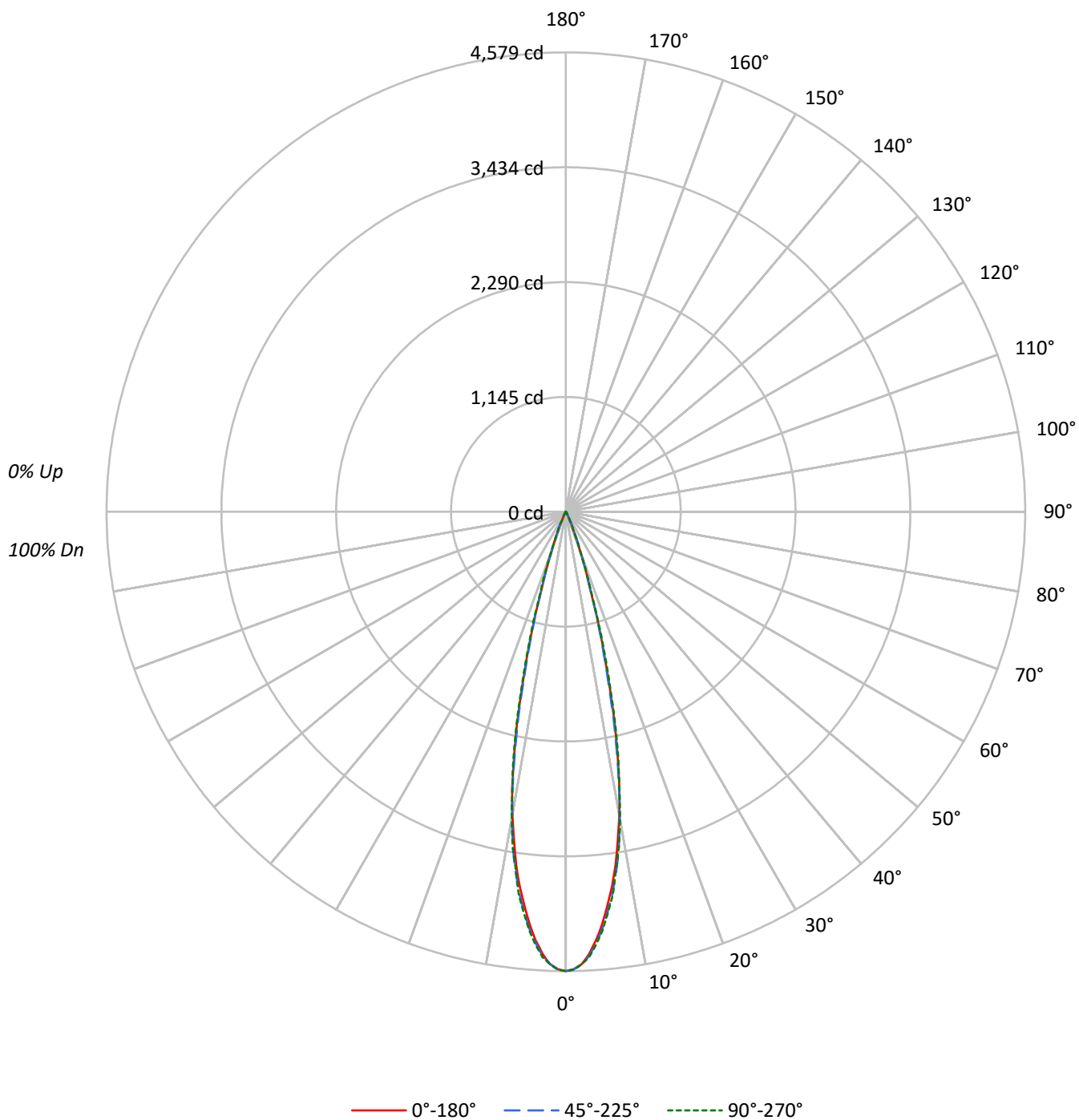
Lumens per Lamp: N/A
Luminaire Lumens: 845.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	788556	788556	788556
5°	714584	721085	724611
10°	537195	541007	543508
15°	265985	258069	275256
20°	75125	76371	77196
25°	13036	24627	15468
30°	5091	5250	5389
35°	1577	1745	1745
40°	517	674	517
45°	365	195	365
50°	214	0	214
55°	240	0	240
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 365 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	363.7	43.0
10°-20°	410.2	48.5
20°-30°	63.6	7.5
30°-40°	6.4	0.8
40°-50°	0.9	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	837.5	99.1
0°-40°	844.0	99.9
0°-60°	845.0	100.0
0°-90°	845.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	845.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4579	4579	4579	4579	4579	
5°	4133	4141	4171	4188	4191	360
15°	1492	1481	1447	1512	1544	409
25°	69	102	130	99	81	58
35°	8	8	8	9	8	6
45°	2	1	1	1	2	1
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4578.7	4578.7	4578.7	4578.7	4578.7
1°	4559.8	4565.8	4559.1	4566.6	4565.8
2°	4512.3	4518.4	4510.1	4514.6	4514.6
3°	4415.2	4428.0	4435.5	4440.8	4445.3
4°	4287.1	4301.4	4312.7	4326.2	4326.2
5°	4133.4	4140.9	4171.0	4187.6	4191.4
6°	3950.3	3980.4	4003.0	4036.2	4015.8
7°	3767.2	3792.1	3823.7	3829.0	3843.3
8°	3559.2	3585.6	3615.0	3609.7	3597.7
9°	3306.1	3344.5	3379.2	3367.9	3382.9
10°	3071.8	3095.1	3093.6	3082.3	3107.9
11°	2799.8	2805.1	2775.7	2821.6	2793.8
12°	2477.3	2481.8	2444.2	2489.4	2518.0
13°	2168.4	2157.8	2105.9	2165.4	2201.5
14°	1812.8	1816.5	1750.2	1865.5	1856.5
15°	1491.8	1481.3	1447.4	1512.2	1543.8
17.5°	794.9	801.7	793.4	825.8	846.1
20°	409.9	421.2	416.7	430.2	421.2
22.5°	212.5	228.3	232.8	222.3	193.6
25°	68.6	101.7	129.6	98.7	81.4
27.5°	41.4	40.7	63.3	43.7	44.5
30°	25.6	24.9	26.4	26.4	27.1
32.5°	14.3	15.1	14.3	15.8	15.1
35°	7.5	8.3	8.3	9.0	8.3
37.5°	4.5	5.3	5.3	5.3	4.5
40°	2.3	3.0	3.0	2.3	2.3
42.5°	1.5	1.5	1.5	1.5	1.5
45°	1.5	0.8	0.8	0.8	1.5
47.5°	0.8	0.8	0.0	0.8	0.8
50°	0.8	0.8	0.0	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
55°	0.8	0.0	0.0	0.0	0.8
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	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)