

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: P1310712

Luminaire Tested: P3SQAS24R359040D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359040D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

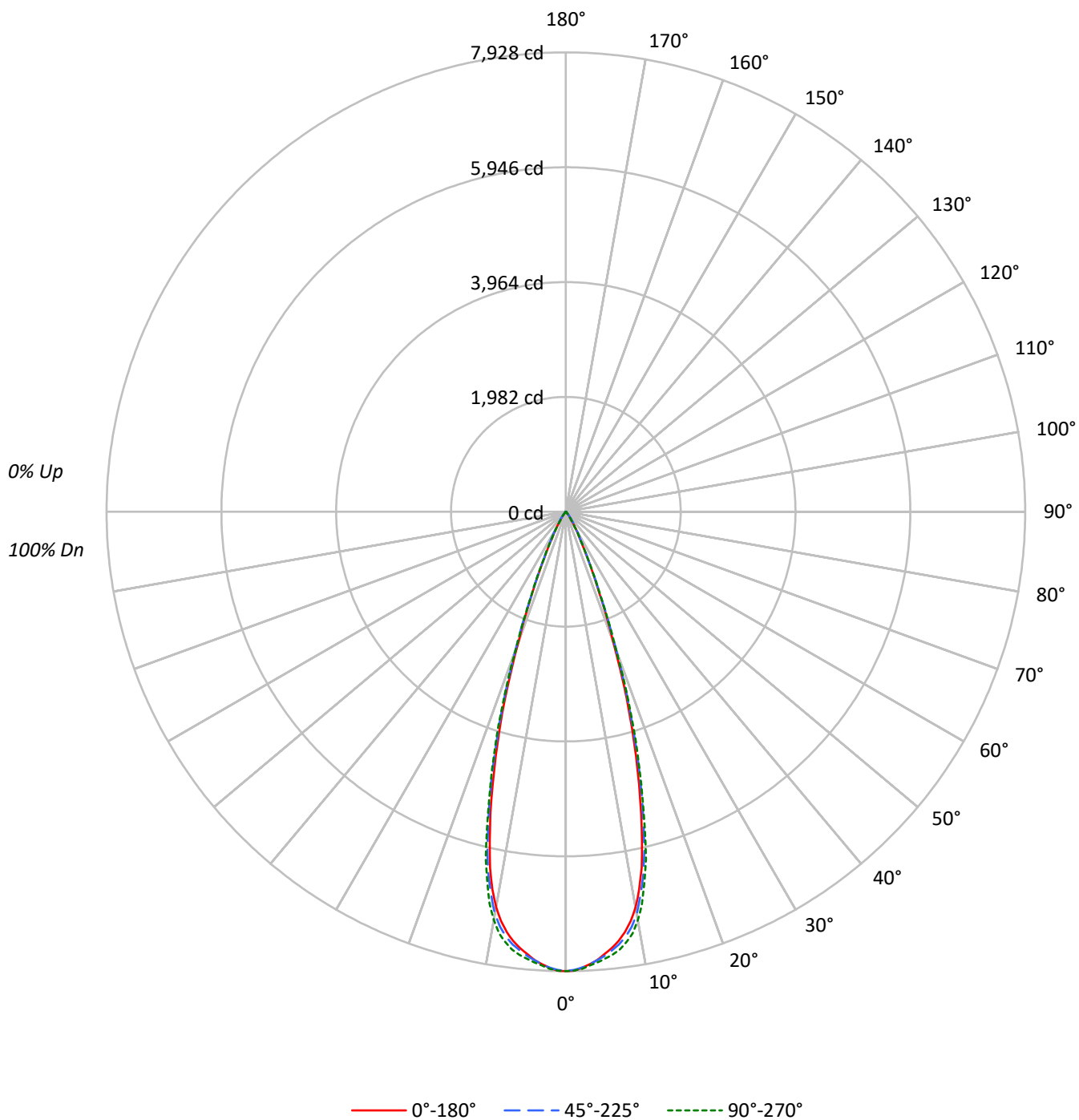
Lumens per Lamp: N/A
Luminaire Lumens: 2663.0 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1365347	1365347	1365347
5°	1324939	1329607	1338579
10°	1211967	1233040	1251945
15°	869969	901831	911085
20°	437607	463119	464274
25°	165855	170986	171784
30°	67356	77279	66123
35°	24473	37129	23589
40°	10274	15895	9802
45°	2533	6576	2533
50°	1661	2786	1661
55°	1862	1862	1862
60°	2136	2136	2136
65°	1712	1712	1712
70°	1057	1057	1057
75°	1397	1397	1397
80°	2083	2083	2083
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6576 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.8	26.9
10°-20°	1335.3	50.1
20°-30°	480.3	18.0
30°-40°	100.9	3.8
40°-50°	17.4	0.7
50°-60°	5.7	0.2
60°-70°	4.1	0.2
70°-80°	2.2	0.1
80°-90°	0.4	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°	2532.4	95.1
0°-40°	2633.3	98.9
0°-60°	2656.3	99.7
0°-90°	2663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2663.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7928	7928	7928	7928	7928	
5°	7664	7678	7691	7743	7743	710
15°	4879	4964	5058	5112	5110	1298
25°	873	885	900	908	904	464
35°	116	137	177	135	112	88
45°	10	17	27	17	10	12
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	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°	7927.8	7927.8	7927.8	7927.8	7927.8
1°	7923.6	7923.6	7907.0	7925.7	7919.5
2°	7880.0	7884.1	7873.8	7896.6	7894.5
3°	7819.7	7830.1	7821.8	7855.1	7844.7
4°	7755.3	7763.6	7759.5	7801.0	7796.9
5°	7663.9	7678.4	7690.9	7742.8	7742.8
6°	7570.4	7584.9	7611.9	7668.0	7686.7
7°	7462.3	7481.0	7524.6	7599.5	7611.9
8°	7325.1	7345.9	7406.2	7487.2	7503.9
9°	7154.7	7185.9	7254.5	7352.2	7362.6
10°	6930.3	6955.3	7050.8	7131.9	7158.9
11°	6639.4	6660.2	6745.4	6876.3	6892.9
12°	6286.1	6311.1	6421.2	6506.4	6523.0
13°	5839.3	5887.1	6020.1	6103.3	6149.0
14°	5380.1	5444.5	5540.1	5658.5	5629.5
15°	4879.3	4964.5	5058.0	5112.0	5109.9
17.5°	3651.1	3701.0	3784.1	3815.3	3856.9
20°	2387.7	2452.1	2526.9	2556.0	2533.2
22.5°	1481.7	1498.3	1521.1	1533.6	1529.4
25°	872.8	885.3	899.8	908.1	904.0
27.5°	525.7	554.8	575.6	550.7	536.1
30°	338.7	351.2	388.6	355.3	332.5
32.5°	201.6	230.7	261.8	222.4	193.3
35°	116.4	137.2	176.6	135.1	112.2
37.5°	74.8	85.2	114.3	83.1	72.7
40°	45.7	58.2	70.7	54.0	43.6
42.5°	22.9	35.3	41.6	31.2	22.9
45°	10.4	16.6	27.0	16.6	10.4
47.5°	6.2	8.3	16.6	8.3	6.2
50°	6.2	6.2	10.4	6.2	6.2
52.5°	6.2	6.2	6.2	6.2	6.2
55°	6.2	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2	6.2
60°	6.2	6.2	6.2	6.2	6.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	2.1	2.1	2.1	2.1	2.1
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	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)