

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: P1310718

Luminaire Tested: P3SQAS24R359040D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359040D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

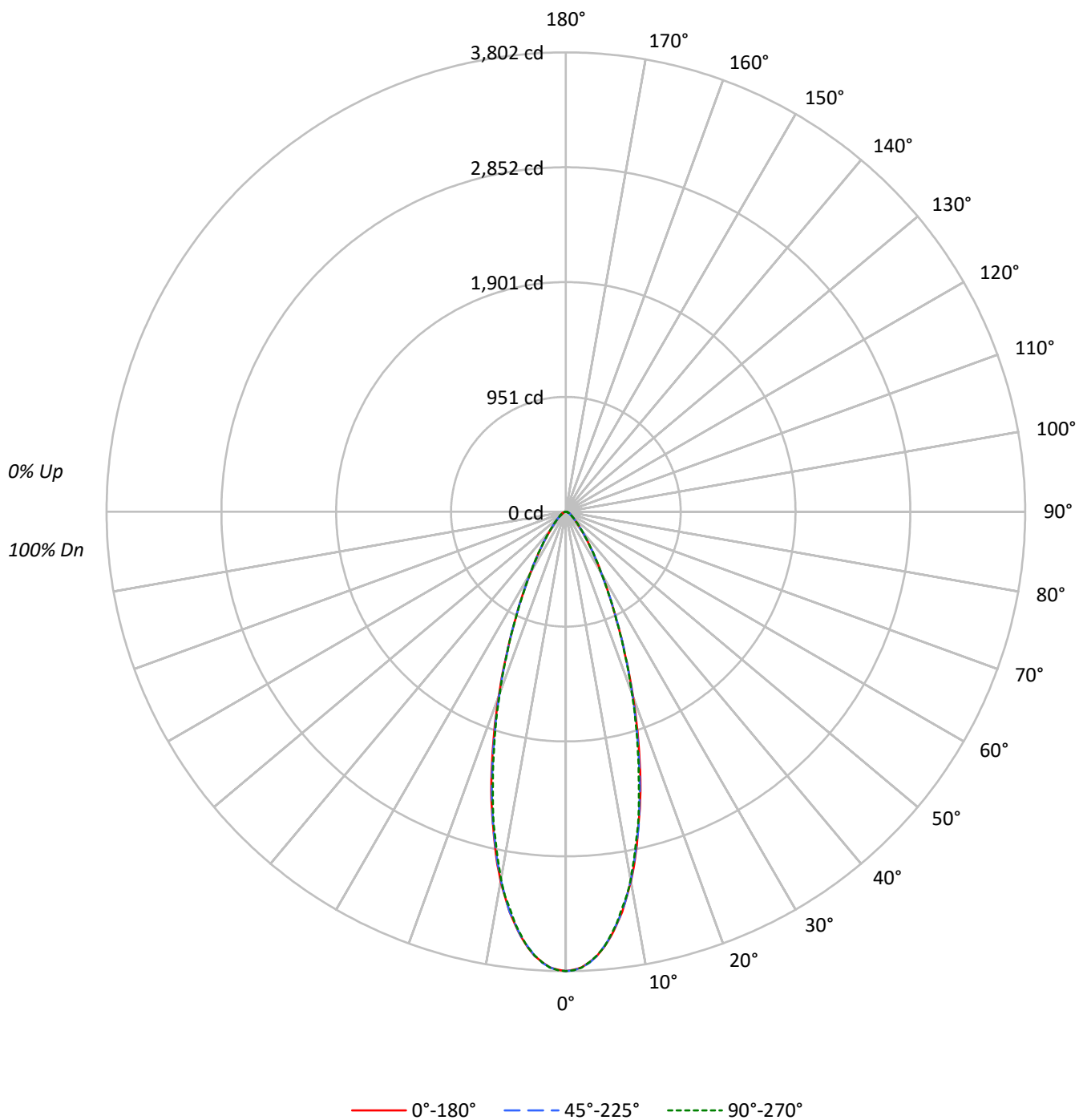
Lumens per Lamp: N/A
Luminaire Lumens: 1875.0 lumens
Efficiency: N/A
Efficacy: 65.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	654773	654773	654773
5°	625672	624600	625672
10°	543158	541357	540622
15°	425615	422281	415613
20°	297749	295092	293186
25°	189096	190293	189096
30°	116515	117331	116515
35°	72072	72514	72514
40°	45773	46246	46246
45°	30859	31370	31882
50°	22265	22828	22828
55°	17475	17475	17475
60°	14329	14329	14329
65°	12714	12714	12714
70°	11531	11531	11531
75°	9649	9649	9649
80°	8232	8232	8232
85°	4150	4150	8299

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 31882 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	17.5
10°-20°	646.9	34.5
20°-30°	466.8	24.9
30°-40°	225.0	12.0
40°-50°	103.7	5.5
50°-60°	53.7	2.9
60°-70°	31.0	1.7
70°-80°	15.7	0.8
80°-90°	3.7	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°	1442.2	76.9
0°-40°	1667.3	88.9
0°-60°	1824.7	97.3
0°-90°	1875.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1875.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3802	3802	3802	3802	3802	
5°	3619	3627	3613	3615	3619	329
15°	2387	2383	2368	2358	2331	651
25°	995	997	1001	1001	995	467
35°	343	343	345	345	345	224
45°	127	129	129	131	131	103
55°	58	58	58	58	58	53
65°	31	31	31	31	31	31
75°	14	14	14	14	14	16
85°	2	2	2	2	4	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3801.9	3801.9	3801.9	3801.9	3801.9
1°	3791.5	3797.8	3795.7	3797.8	3795.7
2°	3772.8	3777.0	3772.8	3774.9	3774.9
3°	3733.4	3737.5	3737.5	3735.4	3733.4
4°	3685.6	3696.0	3685.6	3687.7	3681.4
5°	3619.1	3627.4	3612.9	3614.9	3619.1
6°	3538.1	3540.2	3536.0	3533.9	3529.8
7°	3444.6	3452.9	3438.4	3440.4	3436.3
8°	3344.9	3342.8	3342.8	3334.5	3322.0
9°	3224.4	3232.7	3220.2	3216.1	3218.1
10°	3105.9	3105.9	3095.6	3085.2	3091.4
11°	2970.9	2966.7	2960.5	2946.0	2941.8
12°	2823.4	2831.7	2813.0	2806.8	2792.2
13°	2671.7	2684.2	2675.9	2653.0	2655.1
14°	2530.5	2522.2	2515.9	2511.8	2497.2
15°	2387.1	2383.0	2368.4	2358.0	2331.0
17.5°	1994.5	1998.6	1971.6	1967.4	1957.1
20°	1624.6	1612.2	1610.1	1612.2	1599.7
22.5°	1281.9	1294.3	1279.8	1281.9	1273.5
25°	995.1	997.2	1001.4	1001.4	995.1
27.5°	772.9	772.9	768.7	772.9	766.6
30°	585.9	585.9	590.0	594.2	585.9
32.5°	452.9	452.9	452.9	455.0	457.1
35°	342.8	342.8	344.9	344.9	344.9
37.5°	263.8	265.9	268.0	268.0	268.0
40°	203.6	205.7	205.7	207.8	205.7
42.5°	162.0	162.0	162.0	164.1	164.1
45°	126.7	128.8	128.8	130.9	130.9
47.5°	103.9	103.9	103.9	106.0	106.0
50°	83.1	85.2	85.2	85.2	85.2
52.5°	68.6	68.6	70.6	70.6	70.6
55°	58.2	58.2	58.2	58.2	58.2
57.5°	47.8	49.9	49.9	49.9	49.9
60°	41.6	41.6	41.6	41.6	41.6
62.5°	35.3	35.3	35.3	35.3	35.3
65°	31.2	31.2	31.2	31.2	31.2
67.5°	24.9	27.0	27.0	27.0	27.0
70°	22.9	22.9	22.9	22.9	22.9
72.5°	16.6	18.7	18.7	18.7	18.7
75°	14.5	14.5	14.5	14.5	14.5
77.5°	12.5	10.4	10.4	10.4	12.5
80°	8.3	8.3	8.3	8.3	8.3
82.5°	6.2	6.2	6.2	6.2	6.2
85°	2.1	2.1	2.1	2.1	4.2
87.5°	0.0	0.0	0.0	2.1	2.1



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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)