

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: P1309535

Luminaire Tested: P3SQAS24R159035D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R159035D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

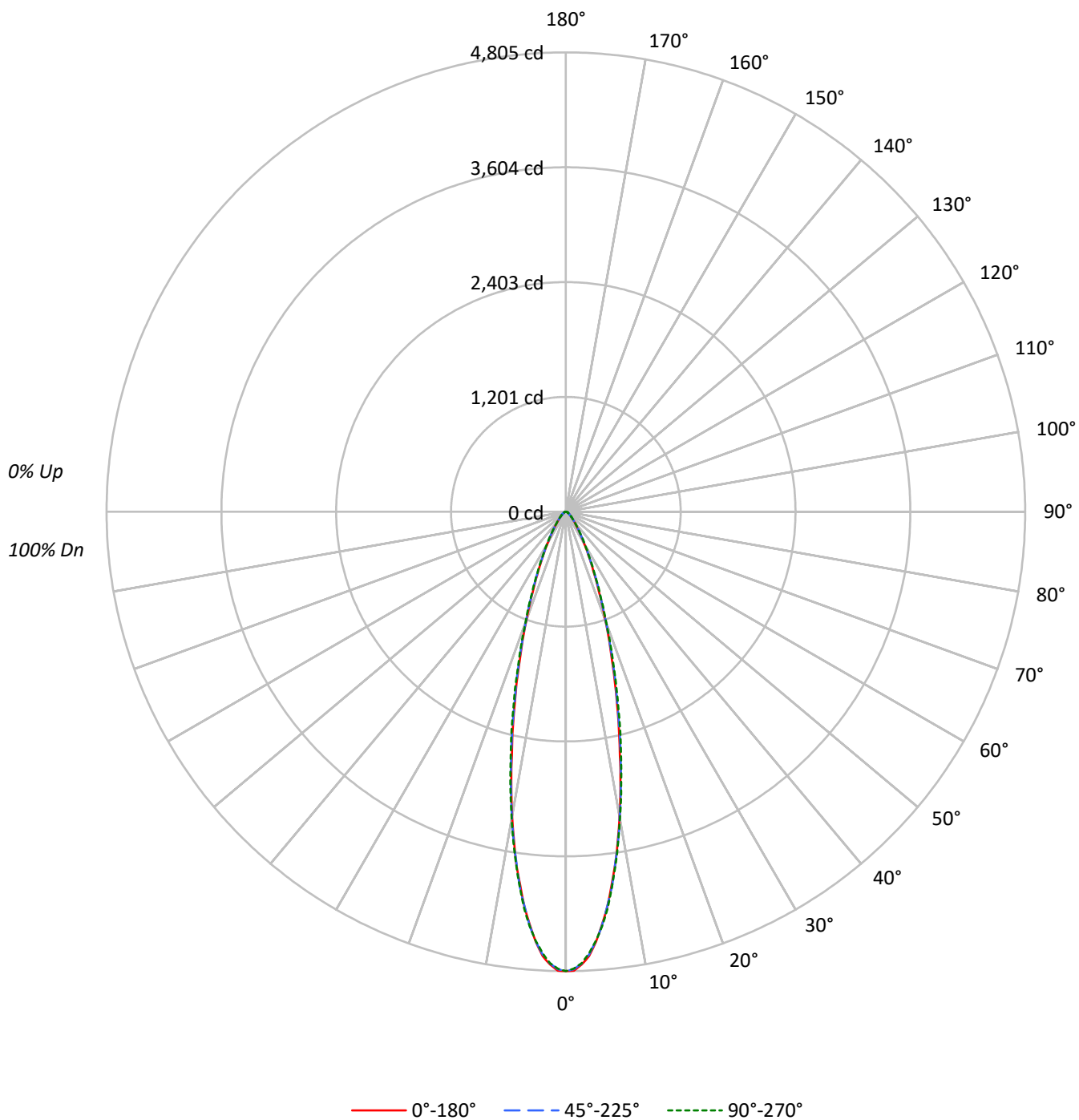
Lumens per Lamp: N/A
Luminaire Lumens: 1589.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	827530	827530	827530
5°	749575	750976	752030
10°	565910	567344	570194
15°	367062	371074	378348
20°	220994	223614	226620
25°	129104	131821	133760
30°	75867	78313	79526
35°	46758	48483	49323
40°	30733	31655	32104
45°	21360	21872	22359
50°	15862	16397	16960
55°	12851	13482	13482
60°	11229	11229	11229
65°	9984	9984	9984
70°	8208	9265	9265
75°	8118	8118	8118
80°	6050	8133	8133
85°	3952	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 22359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.5	23.8
10°-20°	578.7	36.4
20°-30°	328.9	20.7
30°-40°	150.1	9.4
40°-50°	72.0	4.5
50°-60°	40.2	2.5
60°-70°	24.6	1.5
70°-80°	13.1	0.8
80°-90°	2.8	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°	1286.1	80.9
0°-40°	1436.2	90.4
0°-60°	1548.4	97.4
0°-90°	1589.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1589.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4805	4805	4805	4805	4805	
5°	4336	4334	4344	4344	4350	378
15°	2059	2069	2081	2110	2122	571
25°	679	679	694	700	704	322
35°	222	226	231	235	235	146
45°	88	88	90	92	92	70
55°	43	43	45	45	45	39
65°	24	24	24	24	24	24
75°	12	12	12	12	12	13
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4805.0	4805.0	4805.0	4805.0	4805.0
1°	4801.0	4788.7	4784.6	4782.6	4778.5
2°	4739.7	4729.5	4727.5	4727.5	4725.5
3°	4654.0	4635.7	4637.7	4631.6	4625.5
4°	4509.2	4501.0	4505.1	4509.2	4501.0
5°	4335.8	4333.7	4343.9	4343.9	4350.0
6°	4156.2	4154.2	4148.0	4164.4	4172.5
7°	3927.7	3939.9	3956.2	3948.1	3954.2
8°	3719.6	3705.3	3711.4	3731.8	3733.8
9°	3474.7	3464.5	3491.0	3499.2	3501.2
10°	3236.0	3246.2	3244.2	3272.7	3260.5
12.5°	2613.7	2630.0	2648.4	2660.6	2672.9
15°	2058.7	2068.9	2081.2	2109.7	2122.0
17.5°	1583.3	1595.6	1607.8	1632.3	1636.4
20°	1205.8	1212.0	1220.1	1242.6	1236.5
22.5°	901.8	912.0	920.2	930.4	936.5
25°	679.4	679.4	693.7	699.8	703.9
27.5°	506.0	510.1	520.3	528.5	526.4
30°	381.5	387.7	393.8	397.9	399.9
32.5°	293.8	293.8	299.9	306.1	308.1
35°	222.4	226.5	230.6	234.6	234.6
37.5°	173.4	175.5	179.6	181.6	181.6
40°	136.7	136.7	140.8	142.8	142.8
42.5°	108.1	110.2	112.2	114.3	114.3
45°	87.7	87.7	89.8	91.8	91.8
47.5°	71.4	71.4	73.5	75.5	75.5
50°	59.2	61.2	61.2	63.3	63.3
52.5°	51.0	51.0	51.0	53.0	53.0
55°	42.8	42.8	44.9	44.9	44.9
57.5°	36.7	36.7	36.7	38.8	38.8
60°	32.6	32.6	32.6	32.6	32.6
62.5°	28.6	28.6	28.6	28.6	28.6
65°	24.5	24.5	24.5	24.5	24.5
67.5°	20.4	20.4	20.4	22.4	22.4
70°	16.3	18.4	18.4	18.4	18.4
72.5°	14.3	14.3	14.3	14.3	14.3
75°	12.2	12.2	12.2	12.2	12.2
77.5°	10.2	10.2	10.2	10.2	10.2
80°	6.1	8.2	8.2	8.2	8.2
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	2.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)