

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: P1311795

Luminaire Tested: P3SQAS24R359050D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311795
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: P3SQAS24R359050D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

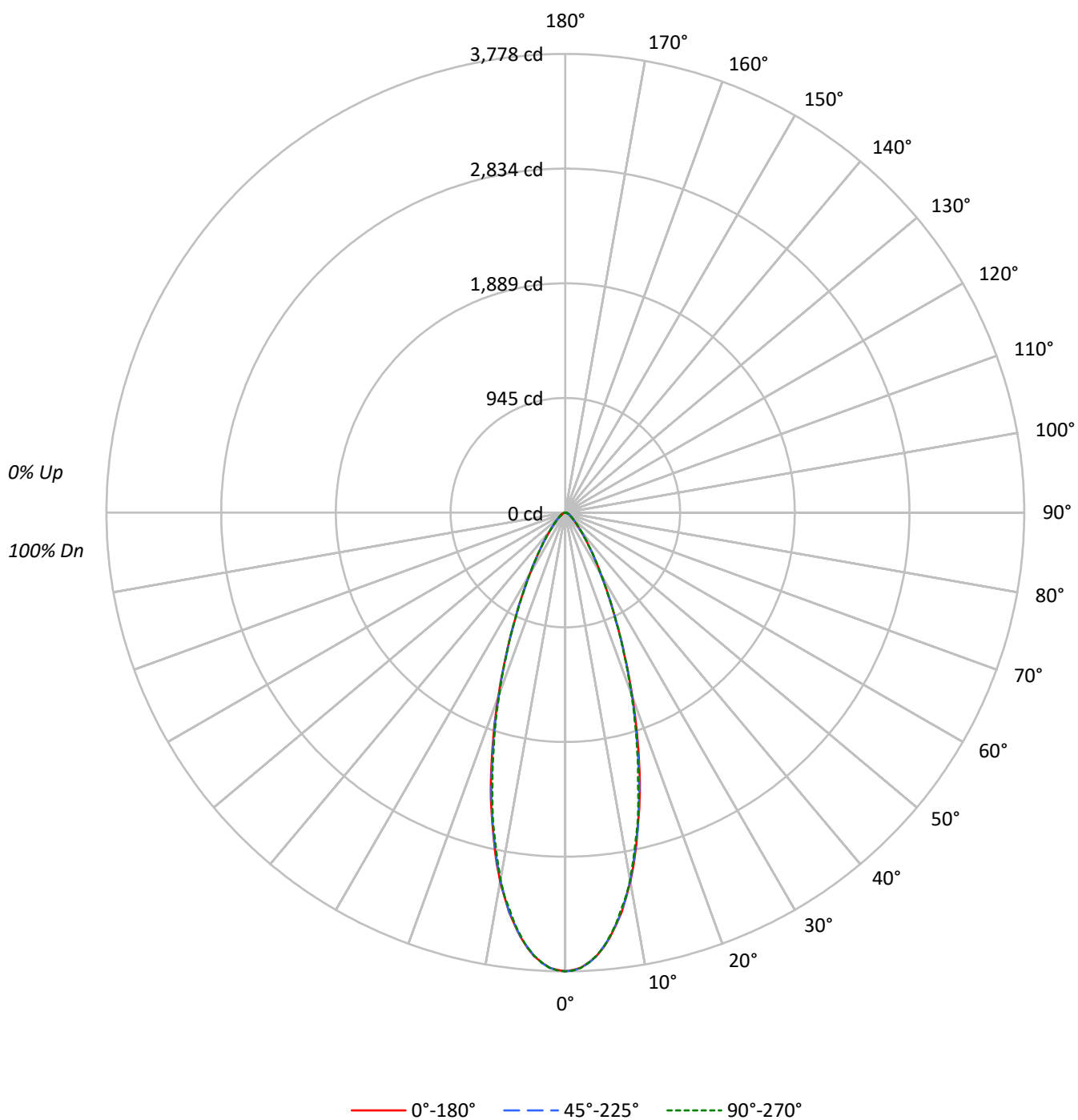
Lumens per Lamp: N/A
Luminaire Lumens: 1863.0 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	650588	650588	650588
5°	621661	620589	621661
10°	539695	537877	537160
15°	422887	419589	412956
20°	295843	293204	291316
25°	187898	189077	187898
30°	115760	116575	115760
35°	71609	72051	72051
40°	45481	45953	45953
45°	30664	31176	31663
50°	22131	22667	22667
55°	17355	17355	17355
60°	14226	14226	14226
65°	12633	12633	12633
70°	11430	11430	11430
75°	9582	9582	9582
80°	8232	8232	8232
85°	4150	4150	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 31663 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.5	17.5
10°-20°	642.8	34.5
20°-30°	463.8	24.9
30°-40°	223.6	12.0
40°-50°	103.1	5.5
50°-60°	53.3	2.9
60°-70°	30.8	1.7
70°-80°	15.6	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°	1433.0	76.9
0°-40°	1656.6	88.9
0°-60°	1813.0	97.3
0°-90°	1863.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1863.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3778	3778	3778	3778	3778	
5°	3596	3604	3590	3592	3596	327
15°	2372	2368	2353	2343	2316	647
25°	989	991	995	995	989	464
35°	341	341	343	343	343	222
45°	126	128	128	130	130	102
55°	58	58	58	58	58	52
65°	31	31	31	31	31	30
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°	3777.6	3777.6	3777.6	3777.6	3777.6
1°	3767.3	3773.5	3771.4	3773.5	3771.4
2°	3748.7	3752.8	3748.7	3750.8	3750.8
3°	3709.5	3713.6	3713.6	3711.5	3709.5
4°	3662.0	3672.3	3662.0	3664.1	3657.9
5°	3595.9	3604.2	3589.7	3591.8	3595.9
6°	3515.4	3517.5	3513.4	3511.3	3507.2
7°	3422.5	3430.8	3416.3	3418.4	3414.3
8°	3323.5	3321.4	3321.4	3313.1	3300.7
9°	3203.7	3212.0	3199.6	3195.5	3197.5
10°	3086.1	3086.1	3075.7	3065.4	3071.6
11°	2951.9	2947.8	2941.6	2927.1	2923.0
12°	2805.3	2813.6	2795.0	2788.8	2774.4
13°	2654.6	2667.0	2658.8	2636.1	2638.1
14°	2514.3	2506.0	2499.8	2495.7	2481.2
15°	2371.8	2367.7	2353.3	2342.9	2316.1
17.5°	1981.7	1985.8	1959.0	1954.9	1944.5
20°	1614.2	1601.9	1599.8	1601.9	1589.5
22.5°	1273.6	1286.0	1271.6	1273.6	1265.4
25°	988.8	990.8	995.0	995.0	988.8
27.5°	767.9	767.9	763.8	767.9	761.7
30°	582.1	582.1	586.2	590.4	582.1
32.5°	450.0	450.0	450.0	452.1	454.1
35°	340.6	340.6	342.7	342.7	342.7
37.5°	262.2	264.2	266.3	266.3	266.3
40°	202.3	204.4	204.4	206.4	204.4
42.5°	161.0	161.0	161.0	163.1	163.1
45°	125.9	128.0	128.0	130.0	130.0
47.5°	103.2	103.2	103.2	105.3	105.3
50°	82.6	84.6	84.6	84.6	84.6
52.5°	68.1	68.1	70.2	70.2	70.2
55°	57.8	57.8	57.8	57.8	57.8
57.5°	47.5	49.5	49.5	49.5	49.5
60°	41.3	41.3	41.3	41.3	41.3
62.5°	35.1	35.1	35.1	35.1	35.1
65°	31.0	31.0	31.0	31.0	31.0
67.5°	24.8	26.8	26.8	26.8	26.8
70°	22.7	22.7	22.7	22.7	22.7
72.5°	16.5	18.6	18.6	18.6	18.6
75°	14.4	14.4	14.4	14.4	14.4
77.5°	12.4	10.3	10.3	10.3	12.4
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	4.1
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)