

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: P1311649

Luminaire Tested: P3SQAS20R359050D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311649
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: P3SQAS20R359050D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

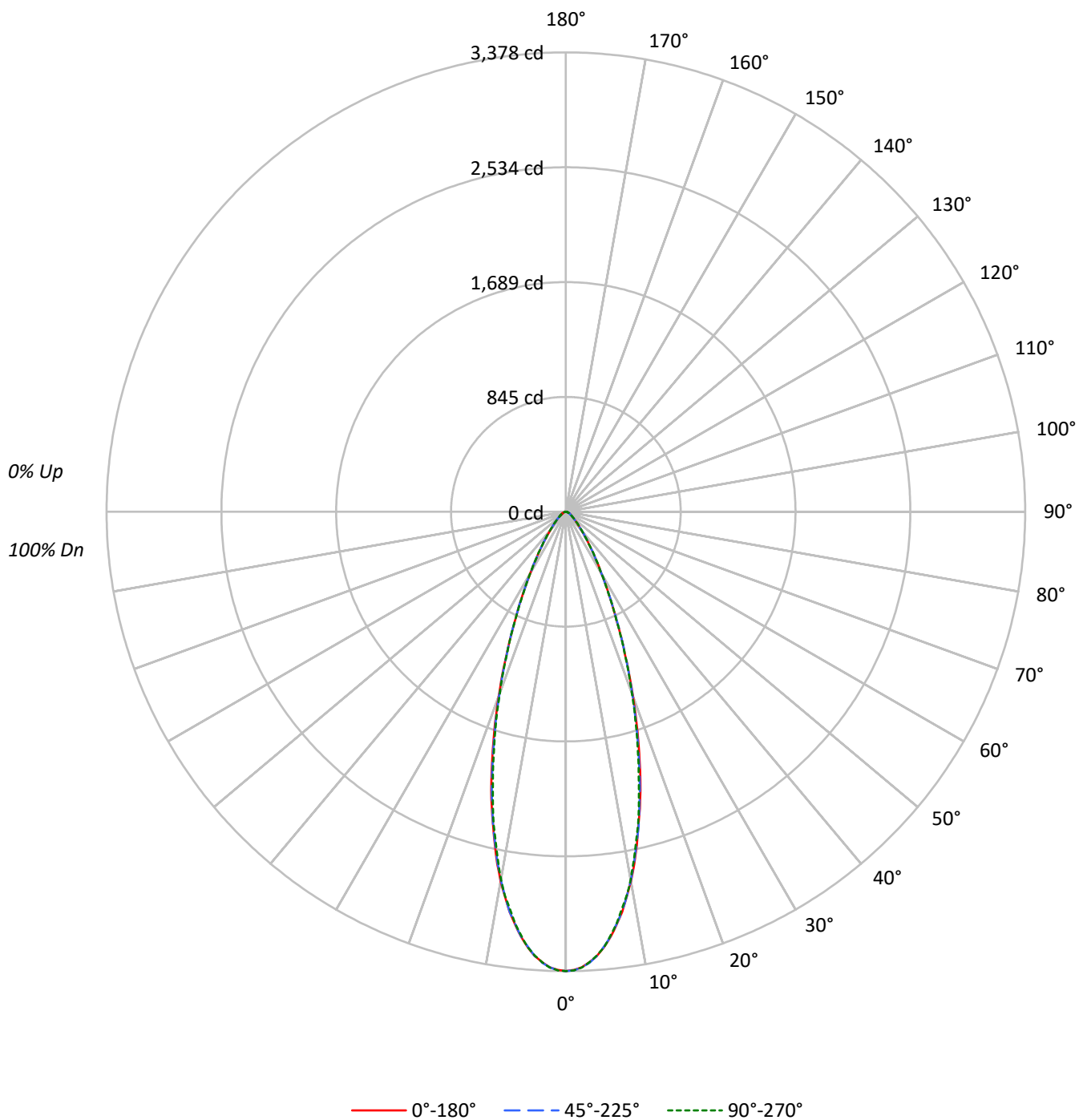
Lumens per Lamp: N/A
Luminaire Lumens: 1666.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	581785	581785	581785
5°	555932	554981	555932
10°	482615	481006	480359
15°	378170	375210	369291
20°	264577	262194	260508
25°	168022	169086	168022
30°	103529	104265	103529
35°	64041	64419	64419
40°	40670	41097	41097
45°	27425	27888	28326
50°	19773	20282	20282
55°	15523	15523	15523
60°	12710	12710	12710
65°	11288	11288	11288
70°	10222	10222	10222
75°	8584	8584	8584
80°	7339	7339	7339
85°	3557	3557	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 28326 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.9	17.5
10°-20°	574.8	34.5
20°-30°	414.7	24.9
30°-40°	199.9	12.0
40°-50°	92.2	5.5
50°-60°	47.7	2.9
60°-70°	27.6	1.7
70°-80°	13.9	0.8
80°-90°	3.2	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°	1281.5	76.9
0°-40°	1481.4	88.9
0°-60°	1621.3	97.3
0°-90°	1666.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1666.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3378	3378	3378	3378	3378	
5°	3216	3223	3210	3212	3216	292
15°	2121	2117	2104	2095	2071	578
25°	884	886	890	890	884	415
35°	305	305	306	306	306	199
45°	113	114	114	116	116	91
55°	52	52	52	52	52	47
65°	28	28	28	28	28	27
75°	13	13	13	13	13	14
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°	3378.1	3378.1	3378.1	3378.1	3378.1
1°	3368.9	3374.4	3372.6	3374.4	3372.6
2°	3352.3	3356.0	3352.3	3354.1	3354.1
3°	3317.2	3320.9	3320.9	3319.1	3317.2
4°	3274.8	3284.0	3274.8	3276.6	3271.1
5°	3215.7	3223.1	3210.2	3212.0	3215.7
6°	3143.7	3145.5	3141.9	3140.0	3136.3
7°	3060.6	3068.0	3055.1	3056.9	3053.2
8°	2972.0	2970.2	2970.2	2962.8	2951.7
9°	2865.0	2872.3	2861.3	2857.6	2859.4
10°	2759.7	2759.7	2750.5	2741.3	2746.8
11°	2639.7	2636.1	2630.5	2617.6	2613.9
12°	2508.7	2516.1	2499.5	2493.9	2481.0
13°	2373.9	2385.0	2377.6	2357.3	2359.2
14°	2248.4	2241.0	2235.5	2231.8	2218.9
15°	2121.0	2117.3	2104.4	2095.2	2071.2
17.5°	1772.1	1775.8	1751.8	1748.1	1738.9
20°	1443.6	1432.5	1430.6	1432.5	1421.4
22.5°	1139.0	1150.0	1137.1	1139.0	1131.6
25°	884.2	886.1	889.8	889.8	884.2
27.5°	686.7	686.7	683.0	686.7	681.2
30°	520.6	520.6	524.3	527.9	520.6
32.5°	402.4	402.4	402.4	404.3	406.1
35°	304.6	304.6	306.4	306.4	306.4
37.5°	234.4	236.3	238.1	238.1	238.1
40°	180.9	182.8	182.8	184.6	182.8
42.5°	144.0	144.0	144.0	145.8	145.8
45°	112.6	114.5	114.5	116.3	116.3
47.5°	92.3	92.3	92.3	94.1	94.1
50°	73.8	75.7	75.7	75.7	75.7
52.5°	60.9	60.9	62.8	62.8	62.8
55°	51.7	51.7	51.7	51.7	51.7
57.5°	42.5	44.3	44.3	44.3	44.3
60°	36.9	36.9	36.9	36.9	36.9
62.5°	31.4	31.4	31.4	31.4	31.4
65°	27.7	27.7	27.7	27.7	27.7
67.5°	22.2	24.0	24.0	24.0	24.0
70°	20.3	20.3	20.3	20.3	20.3
72.5°	14.8	16.6	16.6	16.6	16.6
75°	12.9	12.9	12.9	12.9	12.9
77.5°	11.1	9.2	9.2	9.2	11.1
80°	7.4	7.4	7.4	7.4	7.4
82.5°	5.5	5.5	5.5	5.5	5.5
85°	1.8	1.8	1.8	1.8	3.7
87.5°	0.0	0.0	0.0	1.8	1.8



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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)