

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: P1314677

Luminaire Tested: P3SQAS20R259735D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259735D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

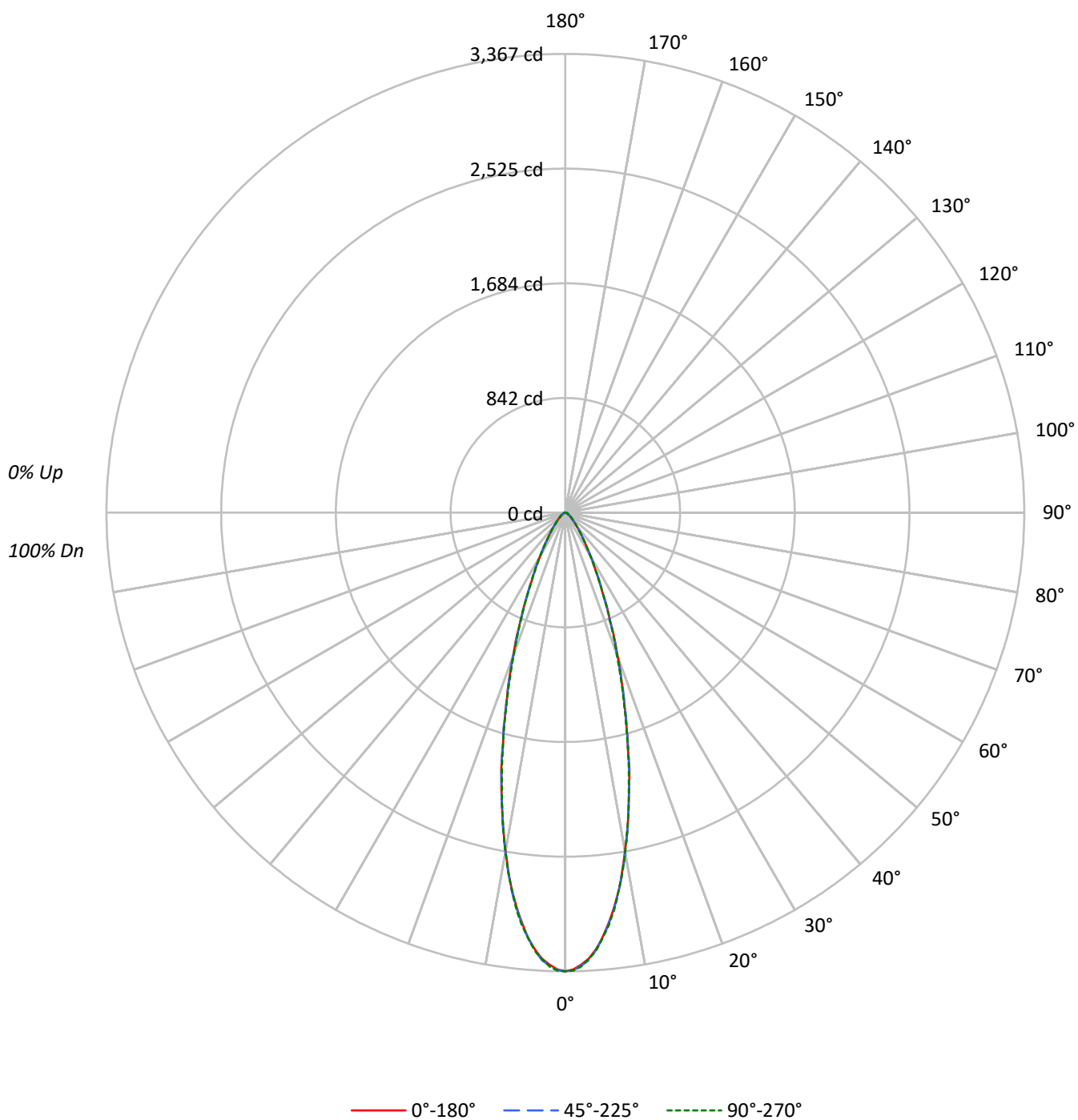
Lumens per Lamp: N/A
Luminaire Lumens: 1349.0 lumens
Efficiency: N/A
Efficacy: 46.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	579822	579822	579822
5°	541202	541756	542032
10°	441448	442812	442812
15°	315302	316996	315302
20°	206350	204334	201438
25°	122681	123289	122681
30°	73898	73898	73600
35°	45034	45350	45034
40°	28687	29024	29024
45°	19948	19948	19948
50°	14334	14763	14763
55°	11350	11350	11830
60°	9231	9748	9748
65°	8354	8354	8354
70°	7150	7150	7906
75°	6255	6255	7320
80°	6248	6248	6248
85°	3162	3162	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.8	20.7
10°-20°	487.7	36.2
20°-30°	306.6	22.7
30°-40°	140.2	10.4
40°-50°	65.5	4.9
50°-60°	35.2	2.6
60°-70°	20.8	1.5
70°-80°	10.8	0.8
80°-90°	2.4	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°	1074.0	79.6
0°-40°	1214.3	90.0
0°-60°	1315.0	97.5
0°-90°	1349.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1349.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3367	3367	3367	3367	3367	
5°	3130	3137	3134	3137	3135	279
15°	1768	1779	1778	1781	1768	488
25°	646	654	649	649	646	307
35°	214	214	216	216	214	140
45°	82	82	82	82	82	65
55°	38	38	38	39	39	35
65°	20	20	20	20	20	20
75°	9	9	9	11	11	11
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°	3366.7	3366.7	3366.7	3366.7	3366.7
1°	3352.6	3355.7	3358.9	3363.6	3362.0
2°	3321.1	3327.4	3328.9	3335.2	3333.7
3°	3278.6	3277.0	3289.6	3289.6	3281.7
4°	3212.4	3215.6	3218.7	3221.9	3223.4
5°	3130.5	3136.8	3133.7	3136.8	3135.3
6°	3029.7	3039.2	3037.6	3040.8	3045.5
7°	2922.7	2929.0	2929.0	2925.8	2938.4
8°	2806.1	2801.4	2809.3	2806.1	2804.6
9°	2667.6	2677.0	2678.6	2670.7	2673.9
10°	2524.3	2530.6	2532.1	2536.9	2532.1
11°	2382.5	2382.5	2385.7	2393.6	2381.0
12°	2228.2	2242.4	2228.2	2234.5	2228.2
13°	2081.8	2084.9	2081.8	2080.2	2069.2
14°	1943.2	1932.2	1935.3	1922.7	1924.3
15°	1768.4	1779.4	1777.9	1781.0	1768.4
17.5°	1422.0	1428.3	1426.7	1423.5	1407.8
20°	1125.9	1125.9	1114.9	1108.6	1099.1
22.5°	859.8	856.6	851.9	847.2	850.3
25°	645.6	653.5	648.8	648.8	645.6
27.5°	488.2	497.6	489.7	485.0	488.2
30°	371.6	374.8	371.6	370.1	370.1
32.5°	280.3	281.9	280.3	280.3	280.3
35°	214.2	214.2	215.7	215.7	214.2
37.5°	165.3	165.3	165.3	165.3	166.9
40°	127.6	129.1	129.1	129.1	129.1
42.5°	100.8	102.4	102.4	102.4	102.4
45°	81.9	81.9	81.9	81.9	81.9
47.5°	66.1	66.1	66.1	66.1	67.7
50°	53.5	55.1	55.1	55.1	55.1
52.5°	45.7	45.7	45.7	45.7	45.7
55°	37.8	37.8	37.8	39.4	39.4
57.5°	31.5	31.5	33.1	33.1	33.1
60°	26.8	28.3	28.3	28.3	28.3
62.5°	23.6	23.6	25.2	25.2	25.2
65°	20.5	20.5	20.5	20.5	20.5
67.5°	17.3	17.3	17.3	17.3	18.9
70°	14.2	14.2	14.2	15.7	15.7
72.5°	12.6	12.6	12.6	12.6	12.6
75°	9.4	9.4	9.4	11.0	11.0
77.5°	7.9	7.9	7.9	7.9	7.9
80°	6.3	6.3	6.3	6.3	6.3
82.5°	3.1	3.1	4.7	4.7	4.7
85°	1.6	1.6	1.6	1.6	1.6
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)