

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: P1315683

Luminaire Tested: P3SQAS20R359740D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315683
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: P3SQAS20R359740D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

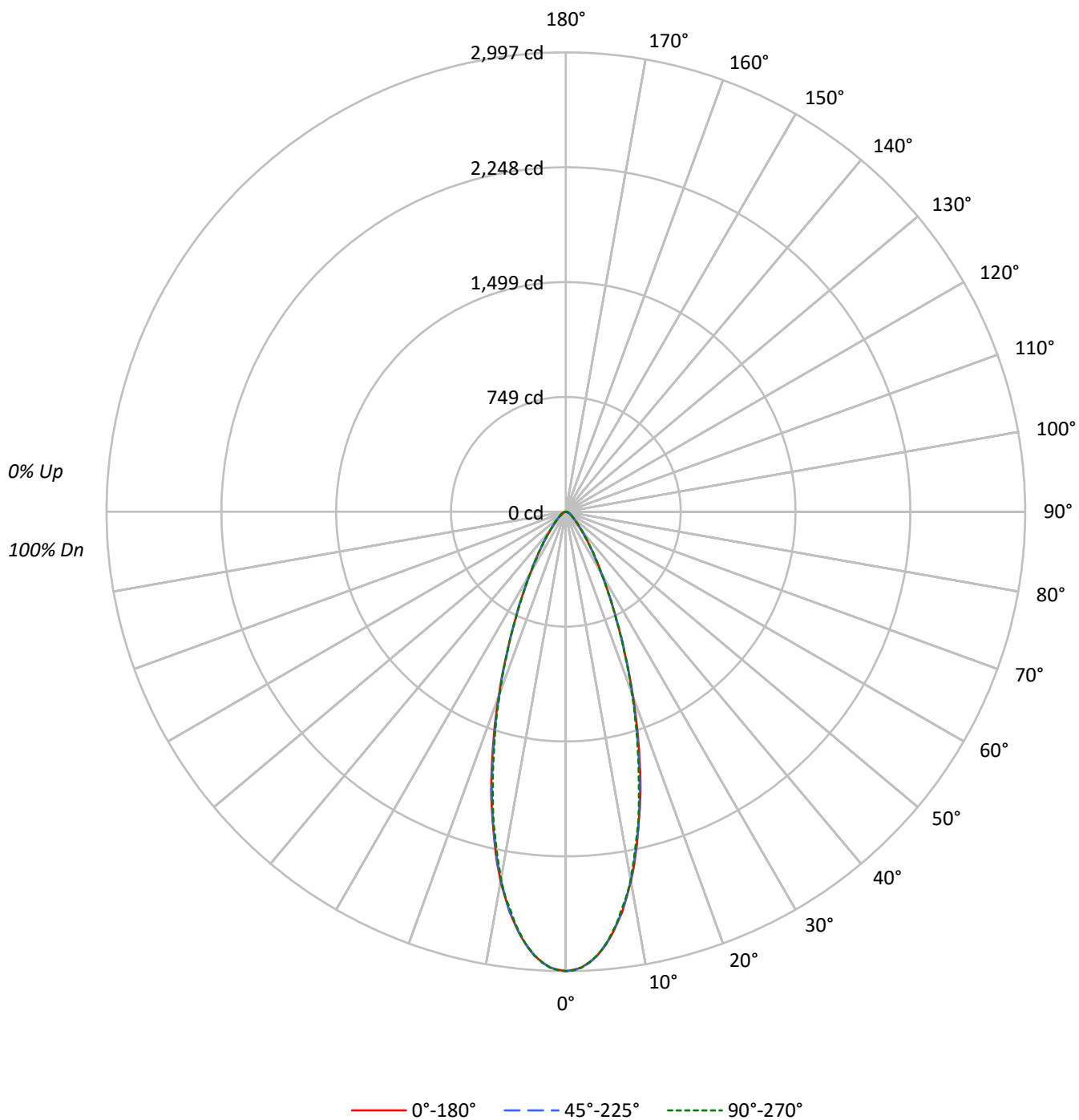
Lumens per Lamp: N/A
Luminaire Lumens: 1478.0 lumens
Efficiency: N/A
Efficacy: 51.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	516134	516134	516134
5°	493193	492346	493193
10°	428157	426723	426146
15°	335503	332865	327623
20°	234721	232613	231110
25°	149057	150007	149057
30°	91836	92492	91836
35°	56808	57166	57166
40°	36084	36443	36443
45°	24332	24721	25135
50°	17549	17978	17978
55°	13782	13782	13782
60°	11298	11298	11298
65°	10025	10025	10025
70°	9064	9064	9064
75°	7652	7652	7652
80°	6546	6546	6546
85°	3162	3162	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 25135 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	17.5
10°-20°	509.9	34.5
20°-30°	367.9	24.9
30°-40°	177.4	12.0
40°-50°	81.8	5.5
50°-60°	42.3	2.9
60°-70°	24.5	1.7
70°-80°	12.4	0.8
80°-90°	2.9	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°	1136.9	76.9
0°-40°	1314.2	88.9
0°-60°	1438.3	97.3
0°-90°	1478.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1478.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2997	2997	2997	2997	2997	
5°	2853	2859	2848	2850	2853	259
15°	1882	1878	1867	1859	1838	513
25°	784	786	789	789	784	368
35°	270	270	272	272	272	176
45°	100	102	102	103	103	81
55°	46	46	46	46	46	42
65°	25	25	25	25	25	24
75°	12	12	12	12	12	12
85°	2	2	2	2	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2996.9	2996.9	2996.9	2996.9	2996.9
1°	2988.7	2993.7	2992.0	2993.7	2992.0
2°	2974.0	2977.3	2974.0	2975.6	2975.6
3°	2942.9	2946.2	2946.2	2944.5	2942.9
4°	2905.2	2913.4	2905.2	2906.9	2901.9
5°	2852.8	2859.4	2847.9	2849.5	2852.8
6°	2788.9	2790.6	2787.3	2785.7	2782.4
7°	2715.3	2721.8	2710.3	2712.0	2708.7
8°	2636.6	2635.0	2635.0	2628.5	2618.6
9°	2541.7	2548.2	2538.4	2535.1	2536.7
10°	2448.3	2448.3	2440.1	2431.9	2436.8
11°	2341.9	2338.6	2333.7	2322.2	2318.9
12°	2225.6	2232.1	2217.4	2212.5	2201.0
13°	2106.0	2115.9	2109.3	2091.3	2092.9
14°	1994.7	1988.1	1983.2	1979.9	1968.5
15°	1881.7	1878.4	1866.9	1858.8	1837.5
17.5°	1572.2	1575.4	1554.1	1550.9	1542.7
20°	1280.7	1270.8	1269.2	1270.8	1261.0
22.5°	1010.4	1020.3	1008.8	1010.4	1003.9
25°	784.4	786.1	789.4	789.4	784.4
27.5°	609.2	609.2	605.9	609.2	604.3
30°	461.8	461.8	465.1	468.4	461.8
32.5°	357.0	357.0	357.0	358.6	360.3
35°	270.2	270.2	271.9	271.9	271.9
37.5°	208.0	209.6	211.3	211.3	211.3
40°	160.5	162.1	162.1	163.8	162.1
42.5°	127.7	127.7	127.7	129.4	129.4
45°	99.9	101.5	101.5	103.2	103.2
47.5°	81.9	81.9	81.9	83.5	83.5
50°	65.5	67.1	67.1	67.1	67.1
52.5°	54.0	54.0	55.7	55.7	55.7
55°	45.9	45.9	45.9	45.9	45.9
57.5°	37.7	39.3	39.3	39.3	39.3
60°	32.8	32.8	32.8	32.8	32.8
62.5°	27.8	27.8	27.8	27.8	27.8
65°	24.6	24.6	24.6	24.6	24.6
67.5°	19.7	21.3	21.3	21.3	21.3
70°	18.0	18.0	18.0	18.0	18.0
72.5°	13.1	14.7	14.7	14.7	14.7
75°	11.5	11.5	11.5	11.5	11.5
77.5°	9.8	8.2	8.2	8.2	9.8
80°	6.6	6.6	6.6	6.6	6.6
82.5°	4.9	4.9	4.9	4.9	4.9
85°	1.6	1.6	1.6	1.6	3.3
87.5°	0.0	0.0	0.0	1.6	1.6



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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)