

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: P1309501

Luminaire Tested: P3SQAS20R609035D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609035D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

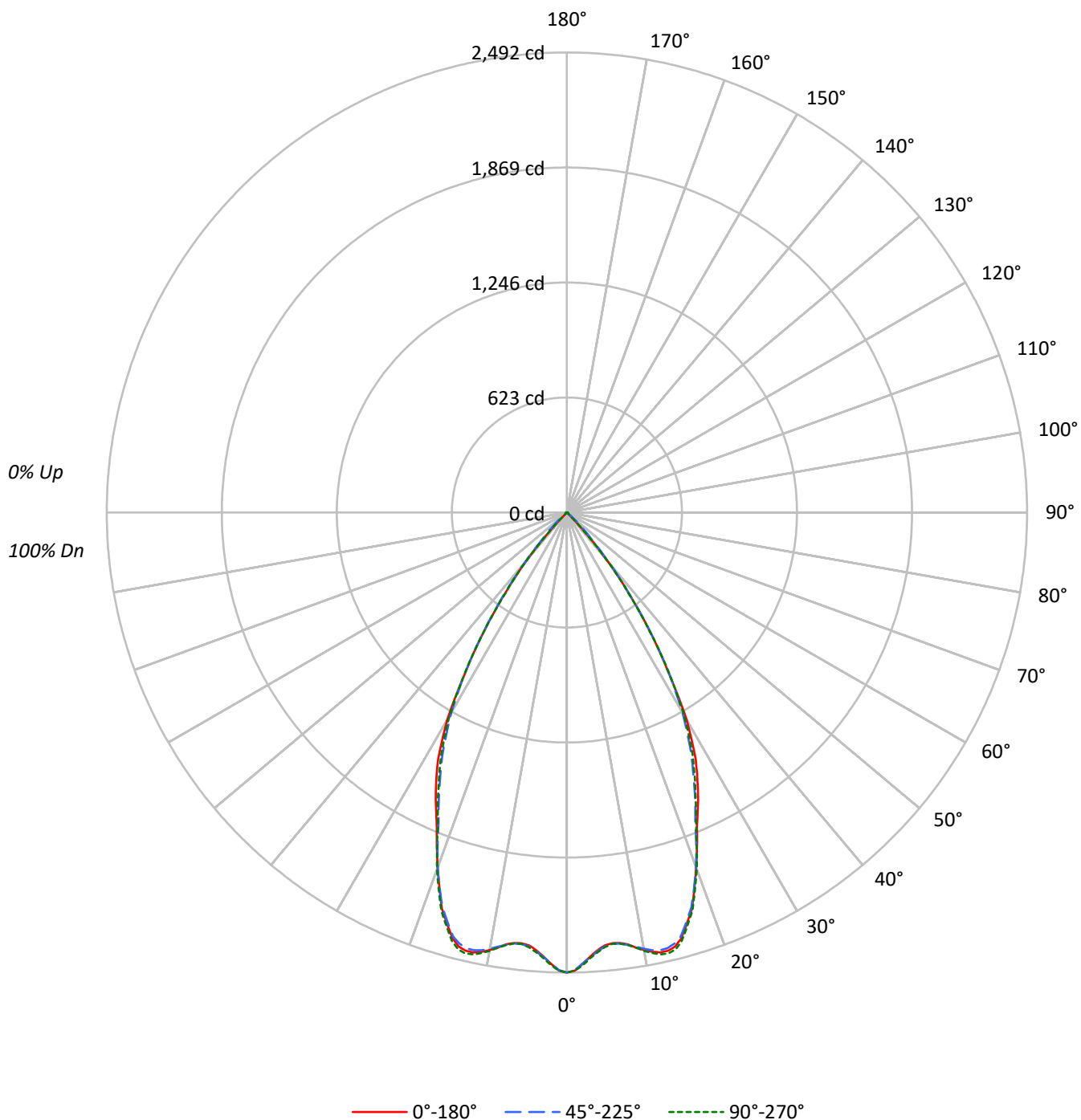
Lumens per Lamp: N/A
Luminaire Lumens: 2223.0 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	105	105	103	101		101	100	98		98
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	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	429230	429230	429230
5°	406822	408015	408620
10°	420952	419728	421862
15°	426079	424224	428557
20°	375183	374853	376778
25°	319264	310009	312651
30°	257670	248681	252838
35°	163087	164538	162730
40°	76237	79384	77428
45°	4652	27961	5504
50°	2331	6511	2331
55°	2612	2612	2612
60°	2411	2411	2411
65°	2119	2853	2119
70°	2618	2618	2618
75°	2329	2329	2329
80°	1686	1686	1686
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 27961 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	10.2
10°-20°	654.3	29.4
20°-30°	754.1	33.9
30°-40°	484.3	21.8
40°-50°	84.2	3.8
50°-60°	8.0	0.4
60°-70°	6.2	0.3
70°-80°	3.7	0.2
80°-90°	1.2	0.1
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°	1635.5	73.6
0°-40°	2119.8	95.4
0°-60°	2212.0	99.5
0°-90°	2223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2492	2492	2492	2492	2492	
5°	2353	2358	2360	2365	2364	227
15°	2390	2381	2379	2395	2404	655
25°	1680	1661	1631	1633	1645	766
35°	776	770	783	767	774	484
45°	19	57	115	68	23	63
55°	9	9	9	9	9	8
65°	5	7	7	7	5	6
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2492.3	2492.3	2492.3	2492.3	2492.3
1°	2481.9	2480.1	2478.4	2480.1	2481.9
2°	2447.1	2445.3	2443.6	2450.6	2454.0
3°	2408.8	2410.6	2412.3	2415.8	2417.5
4°	2377.5	2381.0	2382.7	2386.2	2387.9
5°	2353.2	2358.4	2360.1	2365.3	2363.6
6°	2346.2	2349.7	2351.4	2353.2	2349.7
7°	2349.7	2351.4	2353.2	2356.6	2353.2
8°	2361.9	2363.6	2365.3	2367.1	2367.1
9°	2386.2	2382.7	2381.0	2387.9	2386.2
10°	2407.1	2401.9	2400.1	2410.6	2412.3
11°	2424.5	2417.5	2415.8	2428.0	2431.4
12°	2436.6	2426.2	2424.5	2440.1	2447.1
13°	2436.6	2422.7	2422.7	2440.1	2450.6
14°	2422.7	2407.1	2407.1	2426.2	2438.4
15°	2389.7	2381.0	2379.3	2394.9	2403.6
17.5°	2250.5	2240.1	2241.9	2259.2	2261.0
20°	2047.1	2041.8	2045.3	2048.8	2055.8
22.5°	1840.1	1836.6	1817.5	1822.7	1826.2
25°	1680.1	1661.0	1631.4	1633.1	1645.3
27.5°	1511.4	1492.3	1450.5	1459.2	1471.4
30°	1295.7	1280.1	1250.5	1255.7	1271.4
32.5°	1017.4	1048.7	1020.9	1029.6	1024.4
35°	775.7	770.5	782.6	767.0	774.0
37.5°	546.1	547.9	553.1	539.2	539.2
40°	339.1	347.8	353.1	346.1	344.4
42.5°	142.6	194.8	205.2	194.8	144.4
45°	19.1	57.4	114.8	67.8	22.6
47.5°	8.7	12.2	60.9	12.2	8.7
50°	8.7	8.7	24.3	8.7	8.7
52.5°	8.7	8.7	8.7	8.7	8.7
55°	8.7	8.7	8.7	8.7	8.7
57.5°	8.7	8.7	8.7	8.7	8.7
60°	7.0	7.0	7.0	7.0	7.0
62.5°	7.0	7.0	7.0	7.0	7.0
65°	5.2	7.0	7.0	7.0	5.2
67.5°	5.2	5.2	5.2	5.2	5.2
70°	5.2	5.2	5.2	5.2	5.2
72.5°	3.5	3.5	3.5	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	3.5	3.5	3.5	3.5	3.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7
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)