

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: P1315729

Luminaire Tested: P3SQAS20R609740D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R609740D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

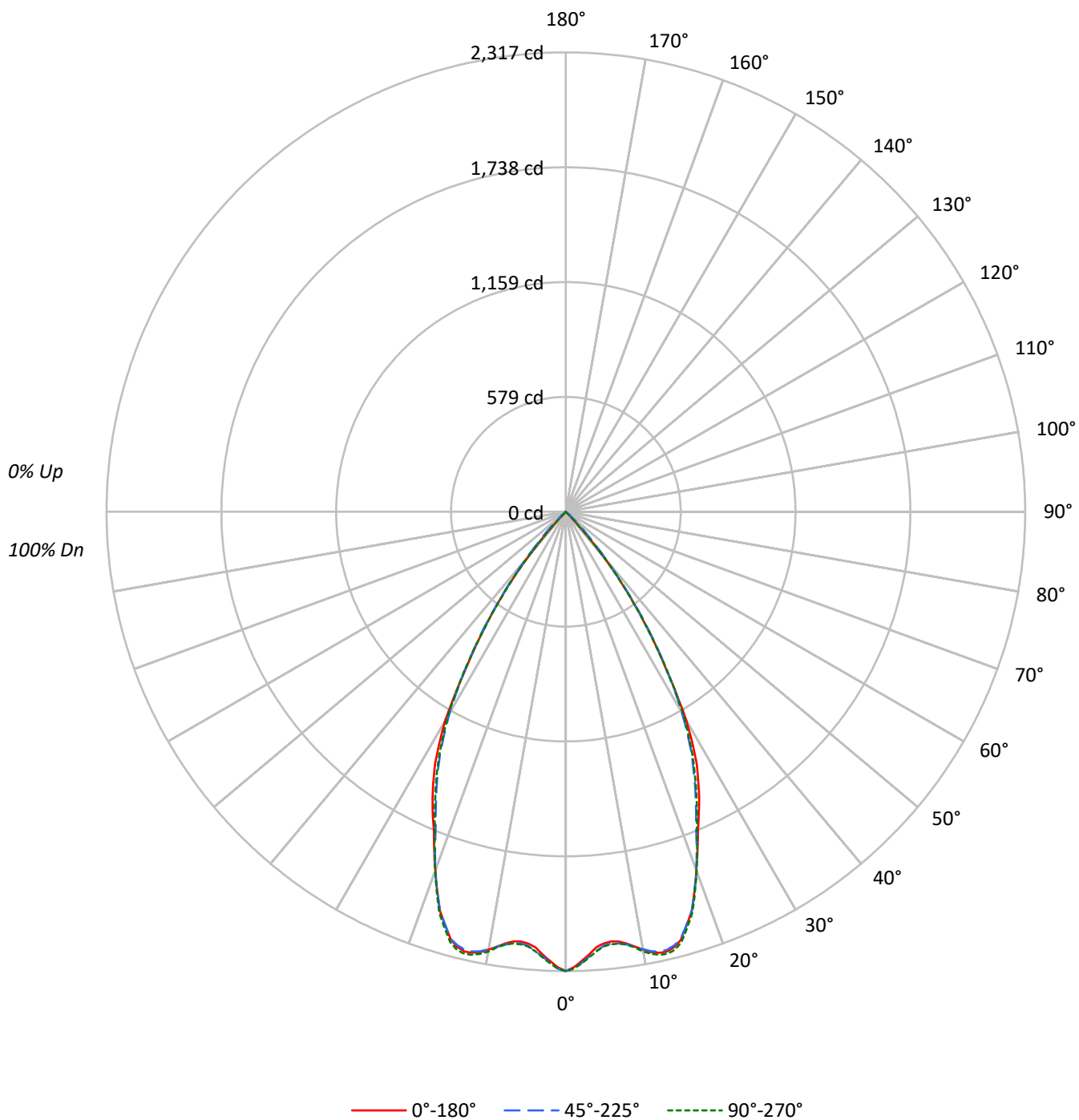
Lumens per Lamp: N/A
Luminaire Lumens: 2053.0 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	109	107	111	109	107	105	105	103	102		101	100	99		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	398988	398988	398988
5°	377865	379836	380406
10°	392255	391678	393968
15°	398746	398175	401081
20°	352879	352879	353465
25°	302408	293382	295872
30°	241900	233110	236710
35°	150073	153185	149737
40°	65895	72505	67716
45°	804	23528	1997
50°	0	2626	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 23528 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.6	10.3
10°-20°	613.3	29.9
20°-30°	712.0	34.7
30°-40°	448.4	21.8
40°-50°	67.3	3.3
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	1536.9	74.9
0°-40°	1985.3	96.7
0°-60°	2053.0	100.0
0°-90°	2053.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2053.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2317	2317	2317	2317	2317	
5°	2186	2194	2197	2202	2200	211
15°	2236	2228	2233	2248	2250	613
25°	1591	1573	1544	1550	1557	723
35°	714	716	729	714	712	446
45°	3	31	97	41	8	44
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2316.7	2316.7	2316.7	2316.7	2316.7
1°	2298.6	2305.2	2305.2	2306.8	2305.2
2°	2267.5	2277.4	2277.4	2282.3	2279.0
3°	2236.4	2244.6	2246.3	2252.8	2251.2
4°	2202.1	2215.1	2220.1	2223.3	2221.7
5°	2185.7	2193.9	2197.1	2202.1	2200.4
6°	2179.1	2185.7	2189.0	2193.9	2193.9
7°	2184.0	2189.0	2193.9	2197.1	2193.9
8°	2198.8	2203.7	2203.7	2210.2	2205.3
9°	2220.1	2221.7	2221.7	2229.9	2225.0
10°	2243.0	2239.7	2239.7	2251.2	2252.8
11°	2262.6	2259.4	2257.7	2269.2	2272.5
12°	2274.1	2267.5	2267.5	2282.3	2283.9
13°	2275.7	2267.5	2267.5	2282.3	2287.2
14°	2262.6	2252.8	2254.4	2270.8	2275.7
15°	2236.4	2228.2	2233.2	2247.9	2249.5
17.5°	2112.0	2107.1	2110.4	2120.2	2121.8
20°	1925.4	1922.1	1925.4	1925.4	1928.6
22.5°	1740.4	1732.2	1715.8	1725.6	1727.3
25°	1591.4	1573.4	1543.9	1550.4	1557.0
27.5°	1427.7	1404.7	1373.6	1381.8	1383.4
30°	1216.4	1205.0	1172.2	1180.4	1190.3
32.5°	939.8	970.9	951.2	949.6	951.2
35°	713.8	715.5	728.6	713.8	712.2
37.5°	499.4	501.0	510.8	494.4	496.1
40°	293.1	314.3	322.5	316.0	301.2
42.5°	91.7	162.1	183.4	158.8	101.5
45°	3.3	31.1	96.6	40.9	8.2
47.5°	0.0	1.6	45.8	3.3	0.0
50°	0.0	0.0	9.8	0.0	0.0
52.5°	0.0	0.0	1.6	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)