

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: P1313088

Luminaire Tested: P3SQAS05R309730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

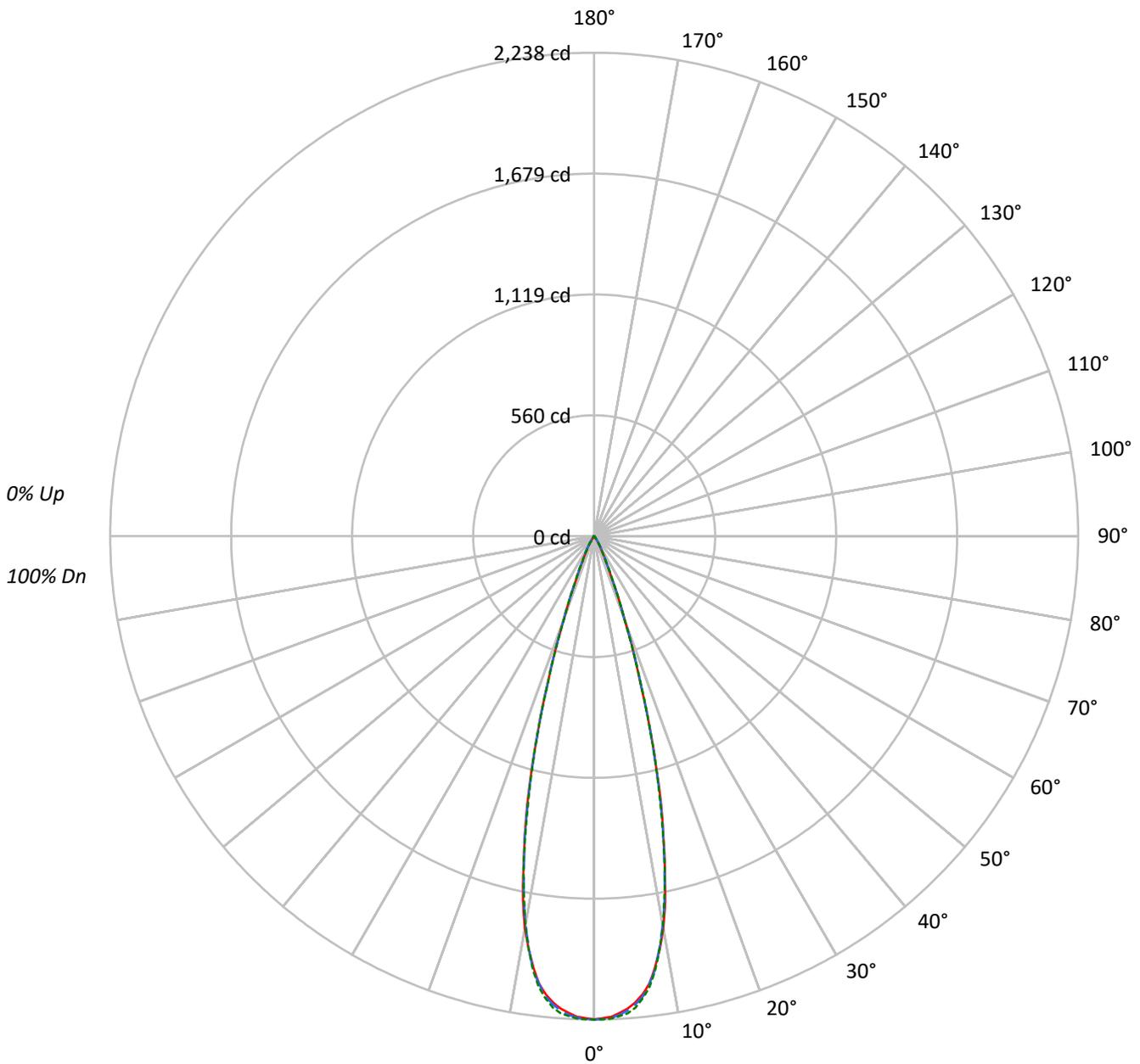
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 581.9 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	78
9	91	85	81	78	90	84	80	78	84	80	78	83	80	77	82	79	77	82	79	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	385400	385400	385400
5°	374840	376465	378798
10°	322320	319575	319889
15°	198053	196449	196609
20°	75381	75546	74135
25°	23981	25255	24057
30°	9645	11972	9904
35°	3112	5277	3112
40°	1416	2316	1416
45°	536	974	536
50°	241	482	241
55°	270	270	270
60°	310	310	310
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 974 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	33.9
10°-20°	292.8	50.3
20°-30°	72.8	12.5
30°-40°	14.5	2.5
40°-50°	2.6	0.5
50°-60°	0.8	0.1
60°-70°	0.6	0.1
70°-80°	0.4	0.1
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°	563.0	96.7
0°-40°	577.5	99.2
0°-60°	581.0	99.8
0°-90°	581.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	581.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2238	2238	2238	2238	2238	
5°	2168	2175	2178	2181	2191	197
15°	1111	1113	1102	1105	1103	294
25°	126	129	133	131	127	71
35°	15	19	25	19	15	12
45°	2	3	4	3	2	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
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°	2237.8	2237.8	2237.8	2237.8	2237.8
1°	2232.8	2235.5	2237.3	2237.3	2237.3
2°	2226.6	2228.4	2231.0	2231.5	2235.1
3°	2211.7	2215.8	2220.3	2223.0	2224.8
4°	2193.8	2199.2	2201.9	2208.6	2214.4
5°	2168.2	2175.4	2177.6	2180.8	2191.1
6°	2133.6	2139.0	2143.5	2144.8	2151.1
7°	2087.8	2090.5	2089.6	2091.9	2103.1
8°	2018.2	2019.1	2026.8	2021.8	2029.4
9°	1935.6	1932.0	1930.2	1933.8	1934.3
10°	1843.1	1831.0	1827.4	1824.3	1829.2
11°	1723.2	1707.5	1708.9	1708.0	1700.8
12°	1574.2	1572.4	1560.7	1562.9	1573.7
13°	1422.0	1425.1	1422.9	1425.6	1413.4
14°	1279.2	1263.9	1268.0	1252.7	1258.5
15°	1110.8	1113.1	1101.8	1105.4	1102.7
17.5°	711.2	716.1	712.6	709.4	714.3
20°	411.3	410.8	412.2	408.1	404.5
22.5°	216.4	219.6	223.6	224.0	226.7
25°	126.2	128.9	132.9	131.1	126.6
27.5°	77.2	82.2	88.5	84.0	78.6
30°	48.5	52.5	60.2	53.0	49.8
32.5°	27.4	33.2	39.5	33.2	27.4
35°	14.8	19.3	25.1	18.9	14.8
37.5°	9.9	11.2	16.6	11.2	9.9
40°	6.3	7.6	10.3	7.6	6.3
42.5°	3.6	4.9	5.8	4.9	3.6
45°	2.2	2.7	4.0	3.1	2.2
47.5°	0.9	1.3	2.7	1.3	1.3
50°	0.9	0.9	1.8	0.9	0.9
52.5°	0.9	0.9	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.9	0.9
57.5°	0.9	0.9	0.9	0.9	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.4	0.4	0.4	0.4	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
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)