

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: P1316811

Luminaire Tested: P3SQAS05R259830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

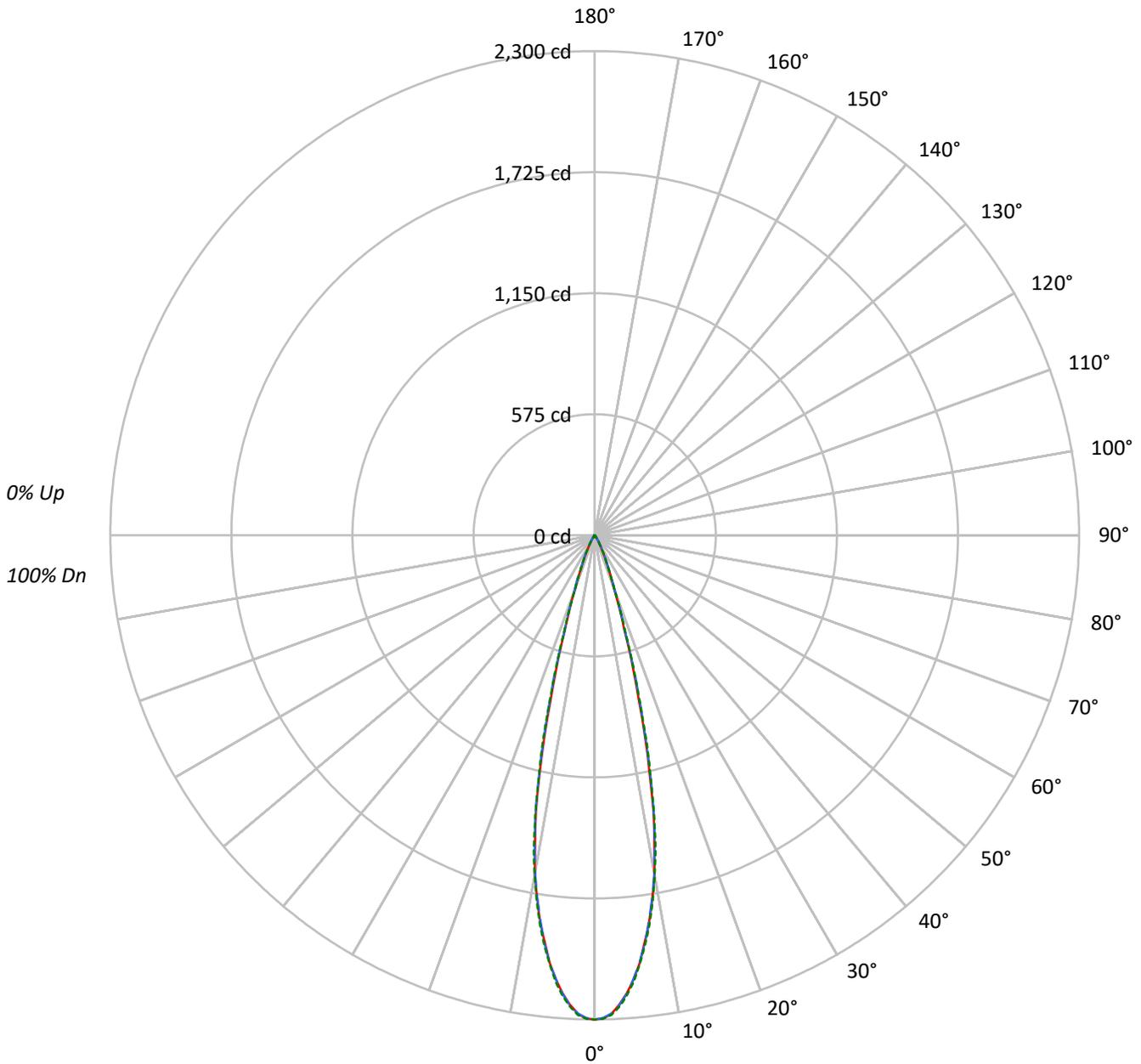
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 486.0 lumens
Efficiency: N/A
Efficacy: 67.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97	97	97	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94	94	94	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91	91	91	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86	86	86	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84	84	84	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82	82	82	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80	80	80	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78	78	78	78
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	396198	396198	396198
5°	365953	365832	367890
10°	285875	285088	287030
15°	143815	149824	149699
20°	49209	50566	49759
25°	19782	22233	20618
30°	8034	9565	7815
35°	2334	4205	2334
40°	1079	1821	1079
45°	365	731	365
50°	188	295	188
55°	210	210	210
60°	241	241	241
65°	163	163	163
70°	201	201	201
75°	266	266	266
80°	0	397	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.6	38.4
10°-20°	228.4	47.0
20°-30°	55.8	11.5
30°-40°	11.5	2.4
40°-50°	2.0	0.4
50°-60°	0.6	0.1
60°-70°	0.5	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°	470.9	96.9
0°-40°	482.4	99.3
0°-60°	485.1	99.8
0°-90°	486.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	486.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2300	2300	2300	2300	2300	
5°	2117	2119	2116	2120	2128	186
15°	807	820	840	844	840	225
25°	104	109	117	110	108	53
35°	11	16	20	15	11	9
45°	2	2	3	2	2	2
55°	1	1	1	1	1	1
65°	0	1	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2300.5	2300.5	2300.5	2300.5	2300.5
1°	2296.1	2293.1	2292.4	2292.8	2296.5
2°	2275.4	2273.5	2273.1	2274.2	2279.4
3°	2233.1	2235.4	2236.1	2239.8	2242.4
4°	2181.3	2185.7	2183.9	2188.3	2191.3
5°	2116.8	2118.7	2116.1	2120.5	2128.0
6°	2041.7	2035.0	2041.3	2043.1	2048.3
7°	1948.0	1949.5	1951.7	1953.9	1961.7
8°	1855.8	1851.3	1850.2	1860.6	1866.9
9°	1748.0	1748.7	1744.7	1756.5	1758.4
10°	1634.7	1625.4	1630.2	1639.5	1641.3
11°	1485.1	1482.5	1489.5	1503.9	1515.4
12°	1344.7	1346.2	1353.6	1358.4	1355.8
13°	1159.2	1170.3	1179.5	1184.3	1178.0
14°	991.4	991.4	1003.2	1005.1	1027.7
15°	806.6	820.3	840.3	844.0	839.6
17.5°	465.9	467.7	477.4	477.0	484.0
20°	268.5	271.1	275.9	274.8	271.5
22.5°	161.5	167.0	178.5	169.2	166.7
25°	104.1	108.9	117.0	110.4	108.5
27.5°	65.2	68.5	74.8	68.9	65.9
30°	40.4	42.2	48.1	42.6	39.3
32.5°	21.8	26.7	31.5	26.7	21.8
35°	11.1	15.6	20.0	15.2	11.1
37.5°	7.4	8.9	13.0	8.5	7.4
40°	4.8	5.9	8.1	5.9	4.8
42.5°	2.6	3.7	4.4	4.1	2.6
45°	1.5	2.2	3.0	2.2	1.5
47.5°	1.1	1.1	1.9	1.1	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.4	0.7	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	0.4	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)