

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: P1317687

Luminaire Tested: P3SQAS05R259835DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317687
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: P3SQAS05R259835DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

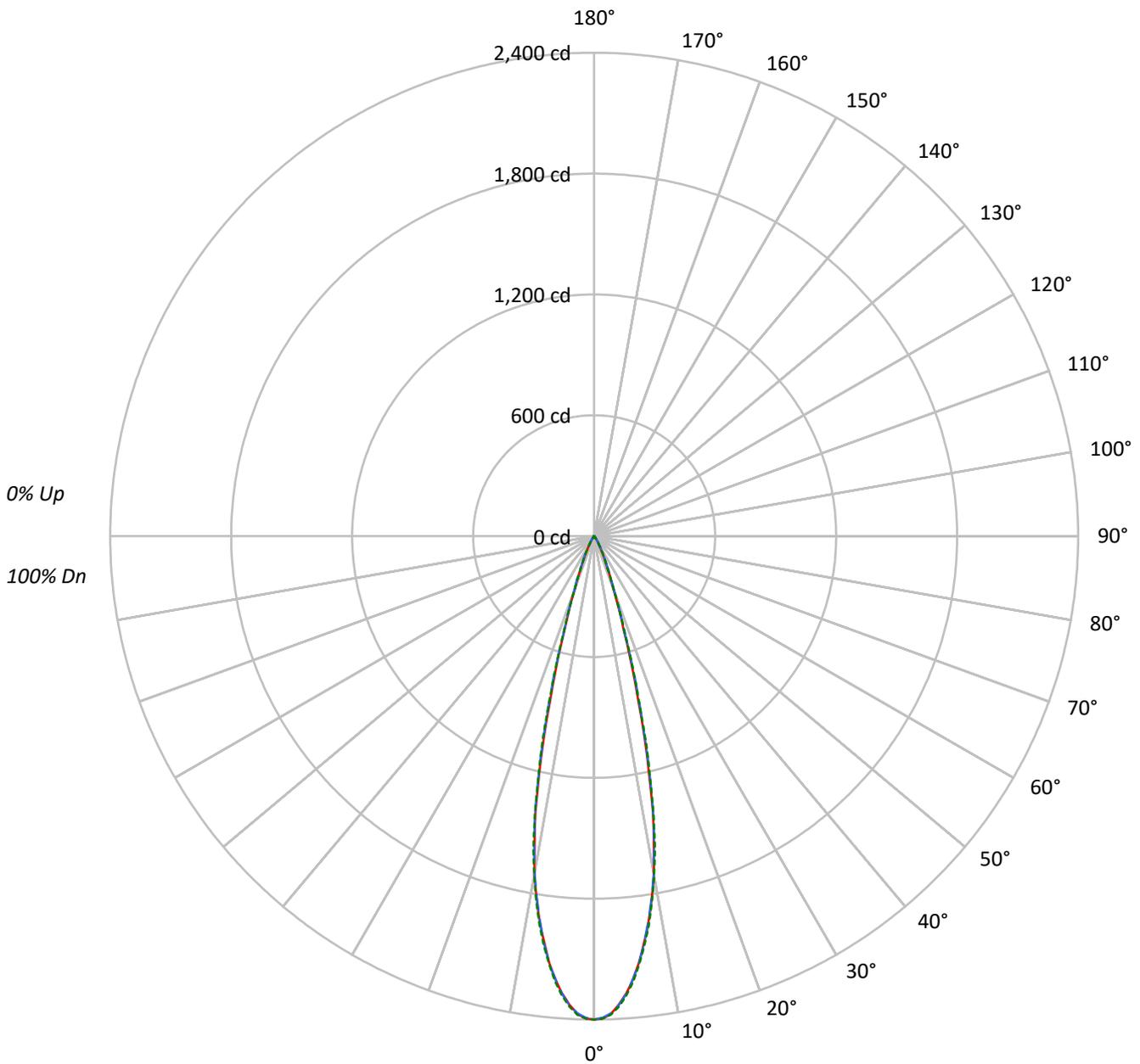
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 507.1 lumens
Efficiency: N/A
Efficacy: 70.4 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

TEST NUMBER: P1317687
CATALOG NUMBER: P3SQAS05R259835DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



TEST NUMBER: P1317687

CATALOG NUMBER: P3SQAS05R259835DE010 E3SQCD1MW

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	100	100	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	106	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	83	80	77	83	80	77	82	79	77	82	79	77	76	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	413317	413317	413317
5°	381772	381634	383777
10°	298222	297417	299446
15°	150020	156296	156153
20°	51335	52747	51904
25°	20637	23202	21511
30°	8372	9983	8153
35°	2439	4394	2439
40°	1124	1911	1124
45°	365	755	365
50°	214	322	214
55°	240	240	240
60°	276	276	276
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: 755 cd/sqm



TEST NUMBER: P1317687

CATALOG NUMBER: P3SQAS05R259835DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	38.4
10°-20°	238.3	47.0
20°-30°	58.2	11.5
30°-40°	12.0	2.4
40°-50°	2.1	0.4
50°-60°	0.7	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°	491.2	96.9
0°-40°	503.3	99.3
0°-60°	506.1	99.8
0°-90°	507.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2400	2400	2400	2400	2400	
5°	2208	2210	2208	2212	2220	195
15°	841	856	877	880	876	235
25°	109	114	122	115	113	56
35°	12	16	21	16	12	10
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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CATALOG NUMBER: P3SQAS05R259835DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2399.9	2399.9	2399.9	2399.9	2399.9
1°	2395.3	2392.2	2391.4	2391.8	2395.7
2°	2373.7	2371.7	2371.4	2372.5	2377.9
3°	2329.6	2331.9	2332.7	2336.6	2339.3
4°	2275.5	2280.2	2278.2	2282.9	2286.0
5°	2208.3	2210.2	2207.5	2212.2	2219.9
6°	2129.9	2122.9	2129.5	2131.4	2136.8
7°	2032.1	2033.7	2036.0	2038.3	2046.4
8°	1935.9	1931.3	1930.2	1941.0	1947.5
9°	1823.5	1824.3	1820.0	1832.4	1834.3
10°	1705.3	1695.6	1700.7	1710.3	1712.3
11°	1549.2	1546.5	1553.9	1568.9	1580.9
12°	1402.8	1404.3	1412.1	1417.1	1414.4
13°	1209.2	1220.8	1230.5	1235.5	1228.9
14°	1034.2	1034.2	1046.6	1048.5	1072.1
15°	841.4	855.7	876.6	880.5	875.8
17.5°	486.0	487.9	498.0	497.6	504.9
20°	280.1	282.8	287.8	286.7	283.2
22.5°	168.4	174.2	186.2	176.6	173.9
25°	108.6	113.6	122.1	115.1	113.2
27.5°	68.0	71.5	78.0	71.9	68.8
30°	42.1	44.0	50.2	44.4	41.0
32.5°	22.8	27.8	32.8	27.8	22.8
35°	11.6	16.2	20.9	15.8	11.6
37.5°	7.7	9.3	13.5	8.9	7.7
40°	5.0	6.2	8.5	6.2	5.0
42.5°	2.7	3.9	4.6	4.2	2.7
45°	1.5	2.3	3.1	2.3	1.5
47.5°	1.2	1.2	1.9	1.2	0.8
50°	0.8	0.8	1.2	0.8	0.8
52.5°	0.8	0.8	0.8	0.8	0.8
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.8	0.8	0.8	0.8	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.4	0.8	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



TEST NUMBER: P1317687

CATALOG NUMBER: P3SQAS05R259835DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)