

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: P1315952

Luminaire Tested: P3SQAS05R309827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315952
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: P3SQAS05R309827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

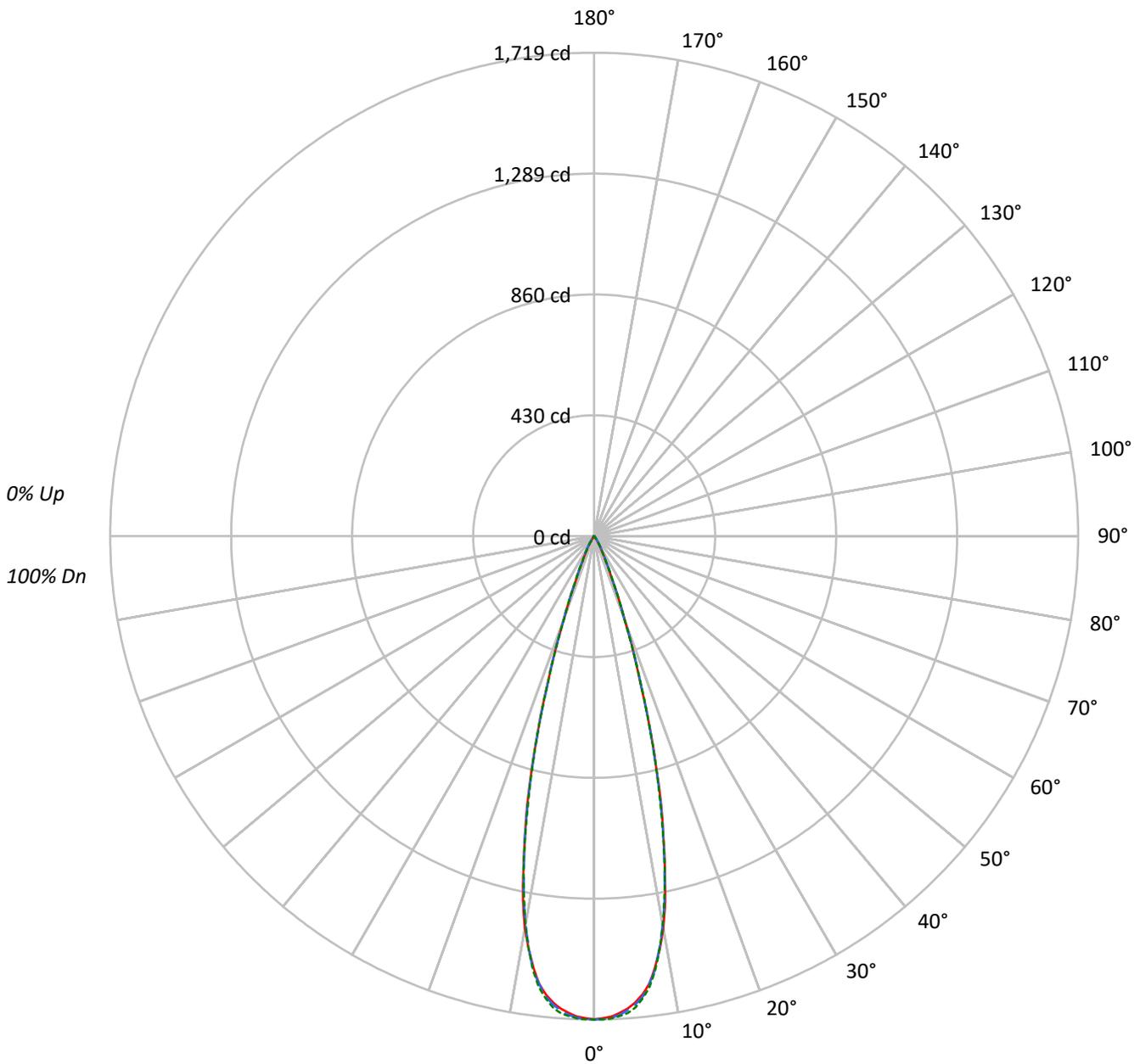
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 446.9 lumens
Efficiency: N/A
Efficacy: 62.1 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

TEST NUMBER: P1315952
CATALOG NUMBER: P3SQAS05R309827DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1315952
 CATALOG NUMBER: P3SQAS05R309827DE010 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	102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	295999	295999	295999
5°	287898	289143	290923
10°	247559	245443	245688
15°	152106	150894	151001
20°	57897	58025	56944
25°	18414	19402	18471
30°	7398	9188	7617
35°	2397	4058	2397
40°	1079	1776	1079
45°	414	755	414
50°	188	375	188
55°	210	210	210
60°	241	241	241
65°	122	122	122
70°	151	151	151
75°	200	200	200
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 755 cd/sqm



TEST NUMBER: P1315952

CATALOG NUMBER: P3SQAS05R309827DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	33.9
10°-20°	224.9	50.3
20°-30°	55.9	12.5
30°-40°	11.2	2.5
40°-50°	2.0	0.5
50°-60°	0.6	0.1
60°-70°	0.4	0.1
70°-80°	0.3	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°	432.4	96.7
0°-40°	443.5	99.2
0°-60°	446.2	99.8
0°-90°	446.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	446.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1665	1671	1672	1675	1683	151
15°	853	855	846	849	847	226
25°	97	99	102	101	97	54
35°	11	15	19	14	11	9
45°	2	2	3	2	2	1
55°	1	1	1	1	1	1
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	0



TEST NUMBER: P1315952

CATALOG NUMBER: P3SQAS05R309827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1718.7	1718.7	1718.7	1718.7	1718.7
1°	1714.9	1717.0	1718.4	1718.4	1718.4
2°	1710.1	1711.5	1713.5	1713.9	1716.6
3°	1698.7	1701.8	1705.3	1707.3	1708.7
4°	1684.9	1689.1	1691.1	1696.3	1700.8
5°	1665.3	1670.8	1672.5	1674.9	1682.8
6°	1638.7	1642.8	1646.3	1647.3	1652.2
7°	1603.5	1605.6	1604.9	1606.6	1615.3
8°	1550.1	1550.8	1556.6	1552.8	1558.7
9°	1486.6	1483.9	1482.5	1485.2	1485.6
10°	1415.6	1406.3	1403.5	1401.1	1404.9
11°	1323.5	1311.4	1312.5	1311.8	1306.3
12°	1209.0	1207.6	1198.7	1200.4	1208.7
13°	1092.1	1094.5	1092.8	1094.9	1085.6
14°	982.5	970.7	973.8	962.1	966.6
15°	853.1	854.9	846.3	849.0	846.9
17.5°	546.2	550.0	547.3	544.9	548.6
20°	315.9	315.5	316.6	313.5	310.7
22.5°	166.2	168.6	171.7	172.1	174.1
25°	96.9	99.0	102.1	100.7	97.2
27.5°	59.3	63.1	67.9	64.5	60.3
30°	37.2	40.3	46.2	40.7	38.3
32.5°	21.0	25.5	30.3	25.5	21.0
35°	11.4	14.8	19.3	14.5	11.4
37.5°	7.6	8.6	12.8	8.6	7.6
40°	4.8	5.9	7.9	5.9	4.8
42.5°	2.8	3.8	4.5	3.8	2.8
45°	1.7	2.1	3.1	2.4	1.7
47.5°	0.7	1.0	2.1	1.0	1.0
50°	0.7	0.7	1.4	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°	0.3	0.3	0.3	0.3	0.3
67.5°	0.3	0.3	0.3	0.3	0.3
70°	0.3	0.3	0.3	0.3	0.3
72.5°	0.3	0.3	0.3	0.3	0.3
75°	0.3	0.3	0.3	0.3	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
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



TEST NUMBER: P1315952
CATALOG NUMBER: P3SQAS05R309827DE010 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)