

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: P1313091

Luminaire Tested: P3SQAS05R309730DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313091
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R309730DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

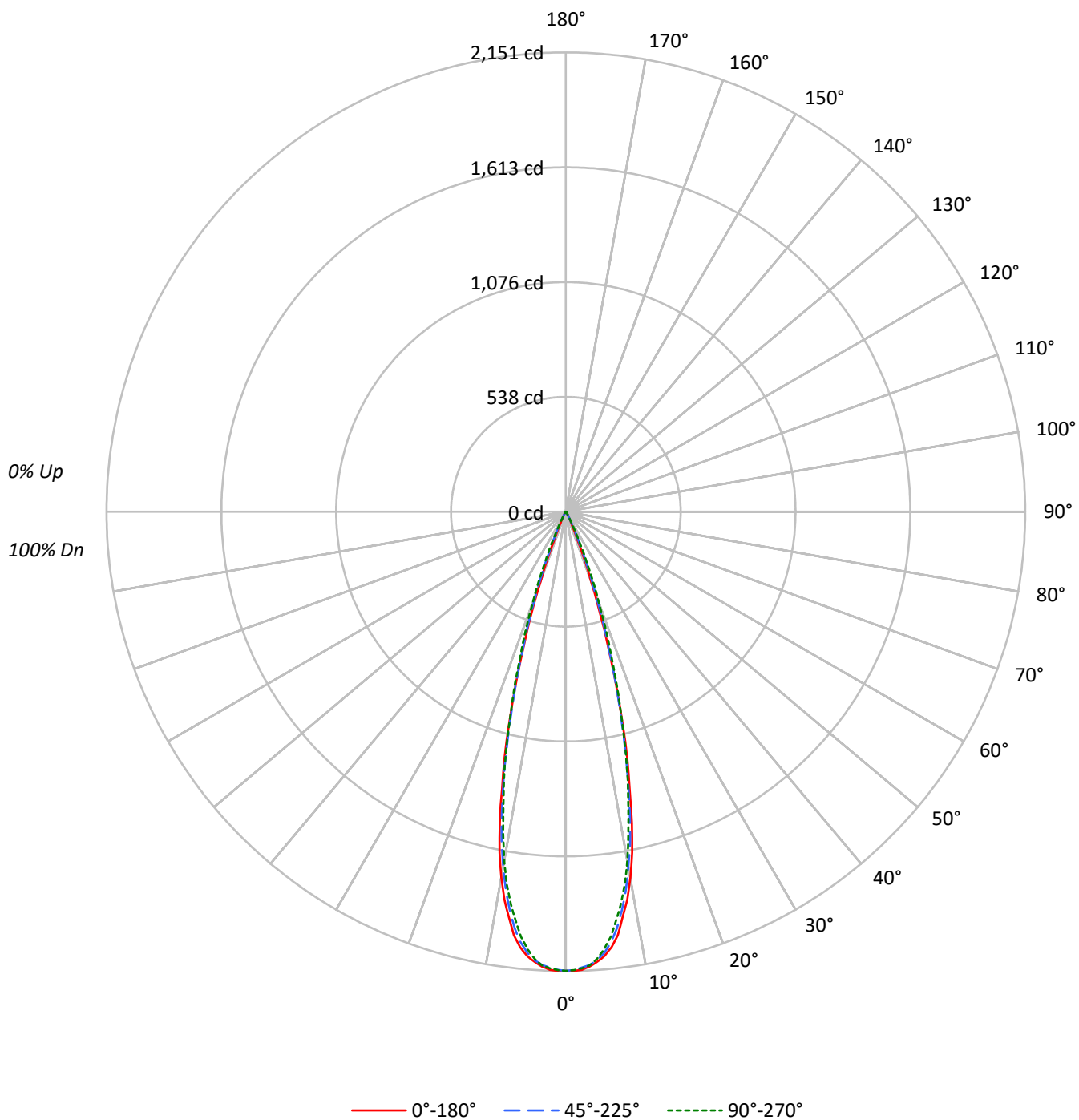
Lumens per Lamp: N/A
Luminaire Lumens: 521.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (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

TEST NUMBER: P1313091

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1313091

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPH1MW

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	96	96
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	93	93
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	91	91
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	88	88
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	86	86
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	83	83
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	81	81
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	79	79
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	77	77
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	370313	370313	370313
5°	360784	358295	355339
10°	304465	295109	290317
15°	183486	178351	181632
20°	62240	71862	82896
25°	11440	17920	21169
30°	3938	4375	4912
35°	1135	1409	1514
40°	292	495	405
45°	97	97	97
50°	107	0	107
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: 0°

Vertical Angle: 52.5°

Luminance: 113 cd/sqm

TEST NUMBER: P1313091

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.9	35.7
10°-20°	271.7	52.2
20°-30°	57.5	11.0
30°-40°	5.3	1.0
40°-50°	0.5	0.1
50°-60°	0.0	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°	515.2	98.9
0°-40°	520.4	99.9
0°-60°	521.0	100.0
0°-90°	521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2150	2150	2150	2150	2150	
5°	2087	2083	2072	2066	2055	188
15°	1029	1026	1000	1024	1019	271
25°	60	67	94	111	111	44
35°	5	7	7	8	7	4
45°	0	0	0	0	0	0
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	

TEST NUMBER: P1313091

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2150.2	2150.2	2150.2	2150.2	2150.2
1°	2150.6	2148.4	2145.2	2149.7	2146.6
2°	2146.1	2140.8	2136.3	2140.8	2139.4
3°	2132.7	2128.2	2125.0	2127.3	2127.3
4°	2112.5	2107.5	2104.8	2105.3	2098.5
5°	2086.9	2082.8	2072.5	2066.2	2055.4
6°	2049.1	2039.2	2026.7	2016.3	2002.4
7°	1997.9	1982.6	1964.7	1946.7	1929.2
8°	1915.7	1908.5	1884.3	1872.2	1854.6
9°	1838.5	1820.9	1794.9	1775.1	1765.7
10°	1741.0	1714.9	1687.5	1671.8	1660.1
11°	1625.6	1599.1	1577.0	1554.1	1536.2
12°	1489.9	1467.4	1442.3	1427.0	1405.9
13°	1329.1	1326.0	1297.7	1292.7	1290.0
14°	1191.2	1178.6	1150.8	1158.4	1160.2
15°	1029.1	1025.5	1000.3	1023.7	1018.7
17.5°	644.6	645.9	661.6	698.5	710.1
20°	339.6	349.9	392.1	436.6	452.3
22.5°	137.4	160.4	203.5	233.6	253.8
25°	60.2	67.4	94.3	110.9	111.4
27.5°	34.1	34.6	45.4	47.2	48.1
30°	19.8	20.2	22.0	23.4	24.7
32.5°	10.8	11.7	12.1	13.9	13.9
35°	5.4	6.7	6.7	8.1	7.2
37.5°	3.1	3.6	4.0	4.0	3.6
40°	1.3	1.8	2.2	2.2	1.8
42.5°	0.4	0.9	0.9	0.9	1.3
45°	0.4	0.4	0.4	0.4	0.4
47.5°	0.4	0.4	0.0	0.4	0.4
50°	0.4	0.0	0.0	0.0	0.4
52.5°	0.4	0.0	0.0	0.0	0.4
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



TEST NUMBER: P1313091

CATALOG NUMBER: P3SQAS05R309730DE010 E3SQPH1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)