

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: P1306226

Luminaire Tested: P3SQAS20R309024D010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306226
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: P3SQAS20R309024D010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

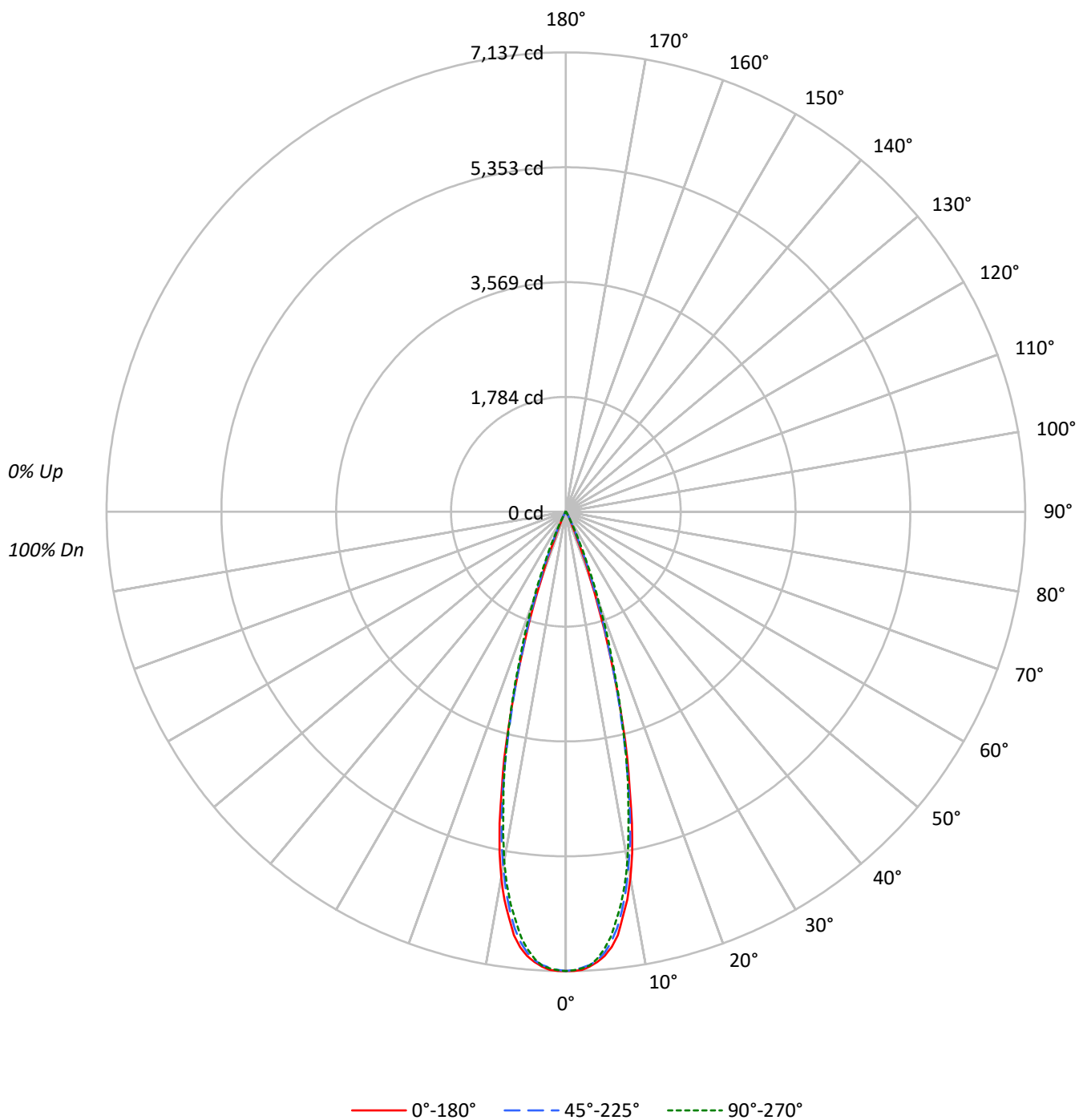
Lumens per Lamp: N/A
Luminaire Lumens: 1729.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1306226

CATALOG NUMBER: P3SQAS20R309024D010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306226

CATALOG NUMBER: P3SQAS20R309024D010 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	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1228929	1228929	1228929
5°	1197284	1189038	1179235
10°	1010401	979377	963481
15°	608888	591878	602790
20°	206533	238496	275115
25°	37948	59478	70253
30°	13046	14517	16307
35°	3763	4709	5025
40°	1012	1686	1349
45°	365	365	365
50°	402	0	402
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: 424 cd/sqm

TEST NUMBER: P1306226

CATALOG NUMBER: P3SQAS20R309024D010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.0	35.7
10°-20°	901.8	52.2
20°-30°	190.8	11.0
30°-40°	17.6	1.0
40°-50°	1.7	0.1
50°-60°	0.1	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°	1709.6	98.9
0°-40°	1727.2	99.9
0°-60°	1729.0	100.0
0°-90°	1729.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1729.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7136	7136	7136	7136	7136	
5°	6926	6912	6878	6857	6821	625
15°	3415	3403	3320	3397	3381	901
25°	200	224	313	368	370	146
35°	18	22	22	27	24	15
45°	2	2	2	2	2	1
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	0

TEST NUMBER: P1306226

CATALOG NUMBER: P3SQAS20R309024D010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7135.7	7135.7	7135.7	7135.7	7135.7
1°	7137.1	7129.7	7119.3	7134.2	7123.7
2°	7122.2	7104.3	7089.4	7104.3	7099.9
3°	7077.5	7062.6	7052.2	7059.6	7059.6
4°	7010.4	6994.0	6985.1	6986.6	6964.2
5°	6925.5	6912.1	6877.8	6856.9	6821.1
6°	6800.3	6767.5	6725.7	6691.4	6645.2
7°	6630.3	6579.6	6520.0	6460.4	6402.3
8°	6357.5	6333.7	6253.2	6213.0	6154.8
9°	6101.2	6043.0	5956.6	5891.0	5859.7
10°	5777.7	5691.2	5600.3	5548.1	5509.4
11°	5394.6	5306.6	5233.6	5157.6	5098.0
12°	4944.4	4869.9	4786.4	4735.7	4665.7
13°	4410.8	4400.3	4306.4	4290.0	4281.1
14°	3953.2	3911.4	3819.0	3844.3	3850.3
15°	3415.0	3403.1	3319.6	3397.1	3380.8
17.5°	2139.1	2143.5	2195.7	2317.9	2356.7
20°	1126.9	1161.2	1301.3	1448.9	1501.1
22.5°	456.1	532.2	675.3	775.1	842.2
25°	199.7	223.6	313.0	368.2	369.7
27.5°	113.3	114.8	150.6	156.5	159.5
30°	65.6	67.1	73.0	77.5	82.0
32.5°	35.8	38.8	40.2	46.2	46.2
35°	17.9	22.4	22.4	26.8	23.9
37.5°	10.4	11.9	13.4	13.4	11.9
40°	4.5	6.0	7.5	7.5	6.0
42.5°	1.5	3.0	3.0	3.0	4.5
45°	1.5	1.5	1.5	1.5	1.5
47.5°	1.5	1.5	0.0	1.5	1.5
50°	1.5	0.0	0.0	0.0	1.5
52.5°	1.5	0.0	0.0	0.0	1.5
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: P1306226

CATALOG NUMBER: P3SQAS20R309024D010 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)