

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: P1307520

Luminaire Tested: P3SQAS02R309030DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307520
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: P3SQAS02R309030DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

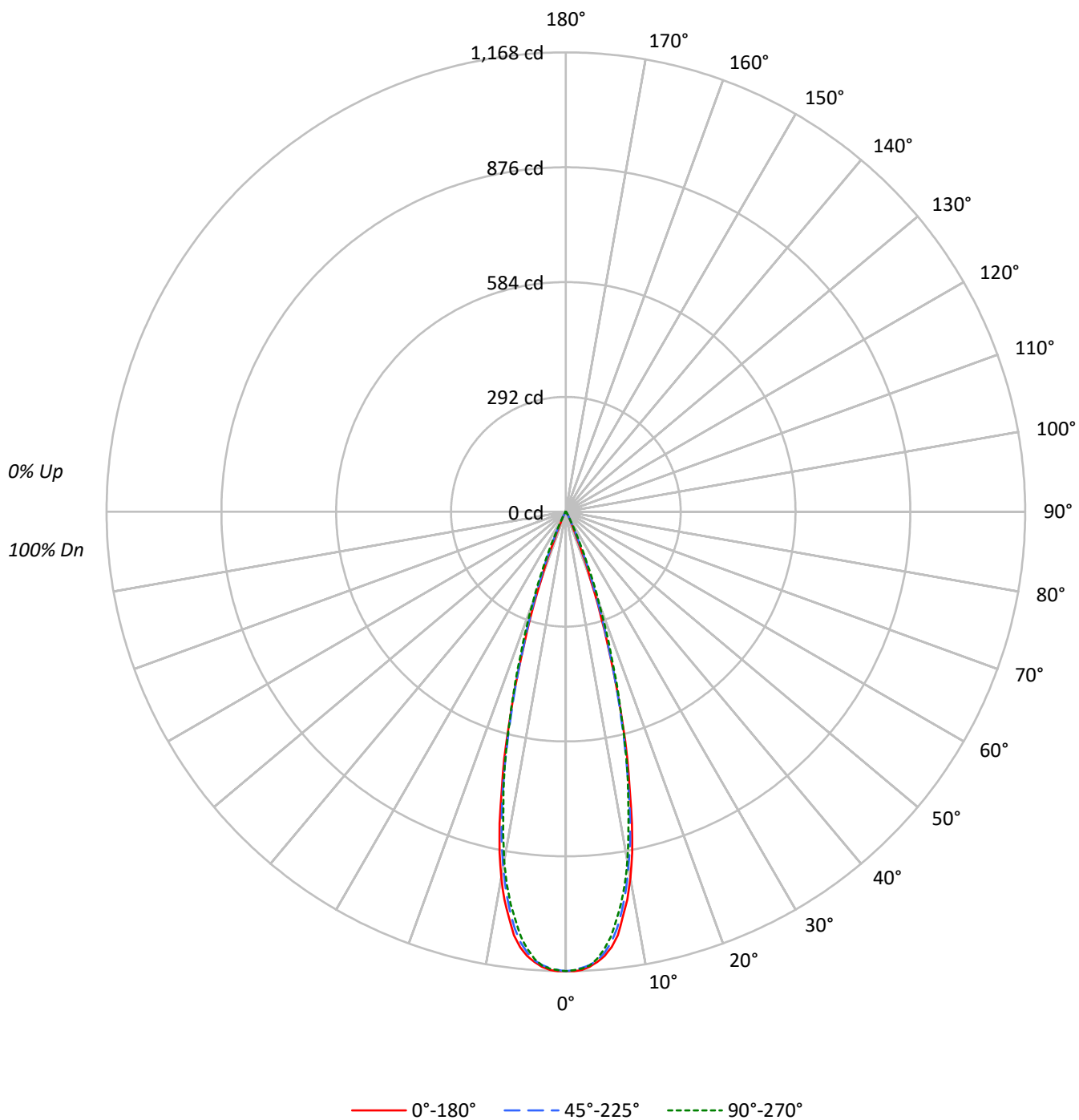
Lumens per Lamp: N/A
Luminaire Lumens: 283.0 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1307520

CATALOG NUMBER: P3SQAS02R309030DE010 E3SQPH1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307520

CATALOG NUMBER: P3SQAS02R309030DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	111	110	113	111	109	108	107	106	105		103	103	102		100
2	112	108	105	103	110	107	104	102	104	101	100		101	99	98		98
3	108	104	101	98	107	103	100	97	100	98	96		98	96	94		96
4	105	100	97	94	104	99	96	93	97	94	92		95	93	91		94
5	102	97	93	90	101	96	93	90	95	91	89		93	90	88		92
6	100	94	90	87	99	93	90	87	92	89	86		91	88	86		90
7	97	91	87	84	96	91	87	84	90	86	84		88	86	83		88
8	95	89	85	82	94	88	84	82	87	84	82		86	83	81		86
9	92	86	82	80	92	86	82	80	85	82	79		84	81	79		84
10	90	84	80	78	90	84	80	78	83	80	77		82	79	77		82

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201156	201156	201156
5°	195977	194612	193021
10°	165383	160295	157706
15°	99669	96887	98670
20°	33814	39038	45031
25°	6214	9729	11497
30°	2128	2386	2665
35°	610	778	820
40°	157	270	225
45°	49	49	49
50°	54	0	54
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: 57 cd/sqm

TEST NUMBER: P1307520

CATALOG NUMBER: P3SQAS02R309030DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	35.7
10°-20°	147.6	52.2
20°-30°	31.2	11.0
30°-40°	2.9	1.0
40°-50°	0.3	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°	279.8	98.9
0°-40°	282.7	99.9
0°-60°	283.0	100.0
0°-90°	283.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	283.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1134	1131	1126	1122	1116	102
15°	559	557	543	556	553	147
25°	33	37	51	60	60	24
35°	3	4	4	4	4	2
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: P1307520

CATALOG NUMBER: P3SQAS02R309030DE010 E3SQPH1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.0	1168.0	1168.0	1168.0	1168.0
1°	1168.2	1167.0	1165.3	1167.7	1166.0
2°	1165.8	1162.8	1160.4	1162.8	1162.1
3°	1158.4	1156.0	1154.3	1155.5	1155.5
4°	1147.5	1144.8	1143.3	1143.6	1139.9
5°	1133.6	1131.4	1125.7	1122.3	1116.5
6°	1113.1	1107.7	1100.9	1095.2	1087.7
7°	1085.2	1076.9	1067.2	1057.4	1047.9
8°	1040.6	1036.7	1023.5	1016.9	1007.4
9°	998.6	989.1	975.0	964.2	959.1
10°	945.7	931.5	916.6	908.1	901.8
11°	883.0	868.6	856.6	844.2	834.4
12°	809.3	797.1	783.4	775.1	763.7
13°	721.9	720.2	704.9	702.2	700.7
14°	647.0	640.2	625.1	629.2	630.2
15°	559.0	557.0	543.4	556.0	553.4
17.5°	350.1	350.8	359.4	379.4	385.7
20°	184.5	190.1	213.0	237.2	245.7
22.5°	74.7	87.1	110.5	126.9	137.9
25°	32.7	36.6	51.2	60.3	60.5
27.5°	18.5	18.8	24.6	25.6	26.1
30°	10.7	11.0	12.0	12.7	13.4
32.5°	5.9	6.3	6.6	7.6	7.6
35°	2.9	3.7	3.7	4.4	3.9
37.5°	1.7	2.0	2.2	2.2	2.0
40°	0.7	1.0	1.2	1.2	1.0
42.5°	0.2	0.5	0.5	0.5	0.7
45°	0.2	0.2	0.2	0.2	0.2
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.0	0.0	0.0	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
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: P1307520

CATALOG NUMBER: P3SQAS02R309030DE010 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)