

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: P1312918

Luminaire Tested: P3SQAS02R309730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312918
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

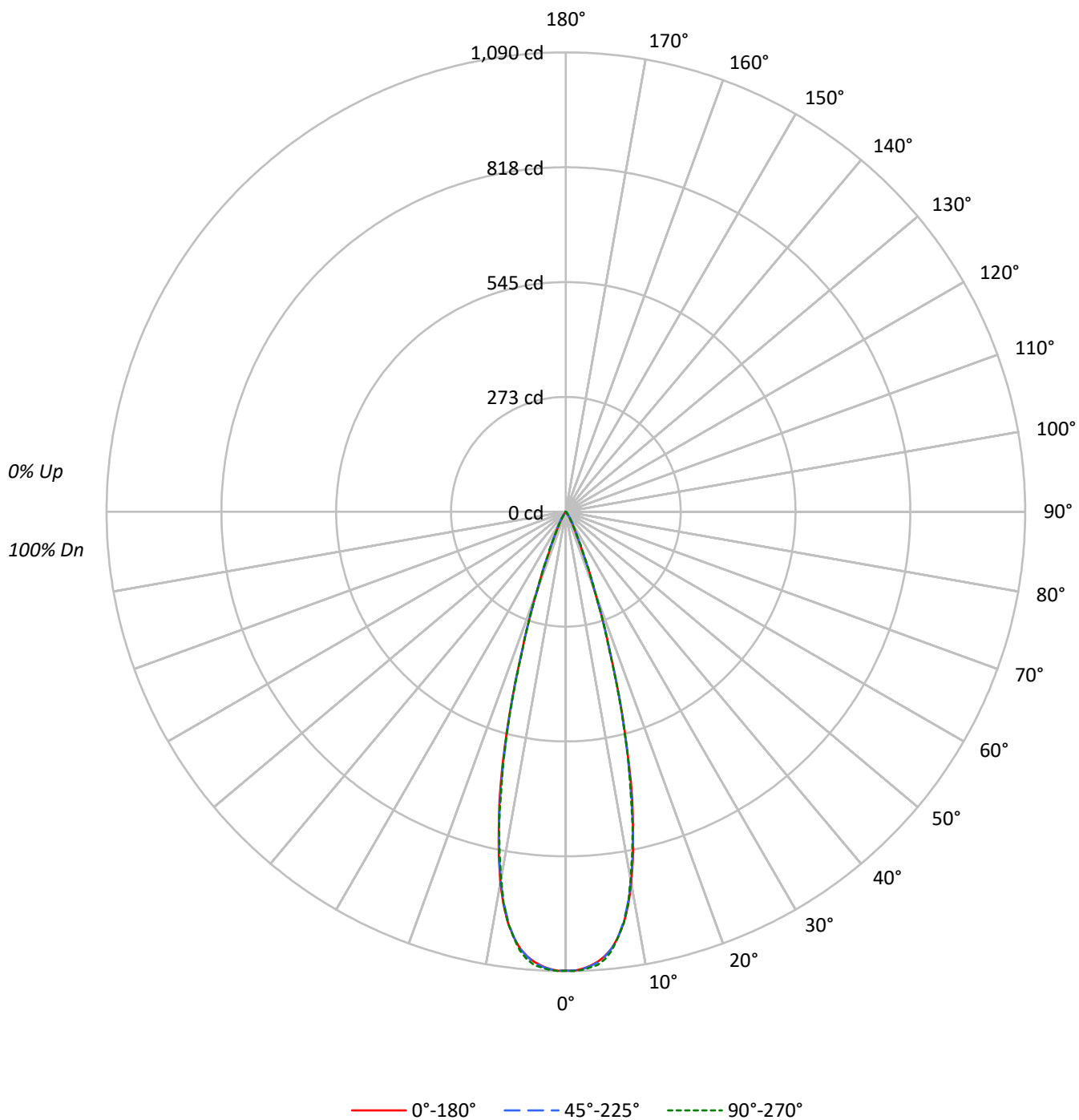
Lumens per Lamp: N/A
Luminaire Lumens: 281.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1312918

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312918

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MB

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	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187550	187550	187550
5°	182977	183201	184221
10°	156272	155555	154628
15°	96441	95318	95657
20°	36453	36655	36600
25°	11212	12295	11706
30°	4514	5727	4693
35°	1325	2439	1388
40°	540	989	540
45°	97	317	97
50°	0	54	0
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: 45°

Vertical Angle: 45°

Luminance: 317 cd/sqm

TEST NUMBER: P1312918

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	34.2
10°-20°	142.2	50.6
20°-30°	35.3	12.6
30°-40°	6.6	2.4
40°-50°	0.8	0.3
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°	273.5	97.3
0°-40°	280.2	99.7
0°-60°	281.0	100.0
0°-90°	281.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	281.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1058	1058	1060	1062	1066	96
15°	541	536	535	539	536	143
25°	59	63	65	64	62	34
35°	6	8	12	8	7	5
45°	0	1	1	1	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: P1312918

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1089.0	1089.0	1089.0	1089.0	1089.0
1°	1089.4	1088.6	1088.6	1087.3	1089.7
2°	1085.5	1084.6	1086.2	1085.1	1088.1
3°	1079.6	1078.5	1080.7	1081.4	1082.9
4°	1070.9	1070.0	1072.4	1073.7	1077.9
5°	1058.4	1058.0	1059.7	1061.5	1065.6
6°	1041.4	1040.7	1041.8	1044.0	1046.6
7°	1016.7	1015.4	1016.2	1016.7	1017.3
8°	985.4	983.5	982.4	984.8	986.1
9°	945.2	943.0	940.6	939.7	942.8
10°	893.6	890.4	889.5	887.3	884.2
11°	833.7	831.1	830.5	826.5	824.8
12°	765.1	763.8	765.3	762.9	762.1
13°	699.3	691.0	689.9	685.4	683.0
14°	621.5	613.9	613.7	611.3	614.5
15°	540.9	535.7	534.6	538.7	536.5
17.5°	344.9	348.4	347.5	345.3	341.6
20°	198.9	196.5	200.0	200.8	199.7
22.5°	106.0	106.9	107.5	110.1	111.9
25°	59.0	62.9	64.7	64.5	61.6
27.5°	36.7	39.1	42.4	40.2	37.8
30°	22.7	24.7	28.8	24.9	23.6
32.5°	12.2	15.5	18.6	15.5	12.7
35°	6.3	8.3	11.6	8.5	6.6
37.5°	4.2	4.8	7.4	4.8	4.2
40°	2.4	3.1	4.4	3.1	2.4
42.5°	1.1	1.7	2.4	1.7	1.1
45°	0.4	0.7	1.3	0.9	0.4
47.5°	0.0	0.2	0.7	0.2	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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: P1312918

CATALOG NUMBER: P3SQAS02R309730DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)