

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: P1309745

Luminaire Tested: P3SQAS02R309040DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309040DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

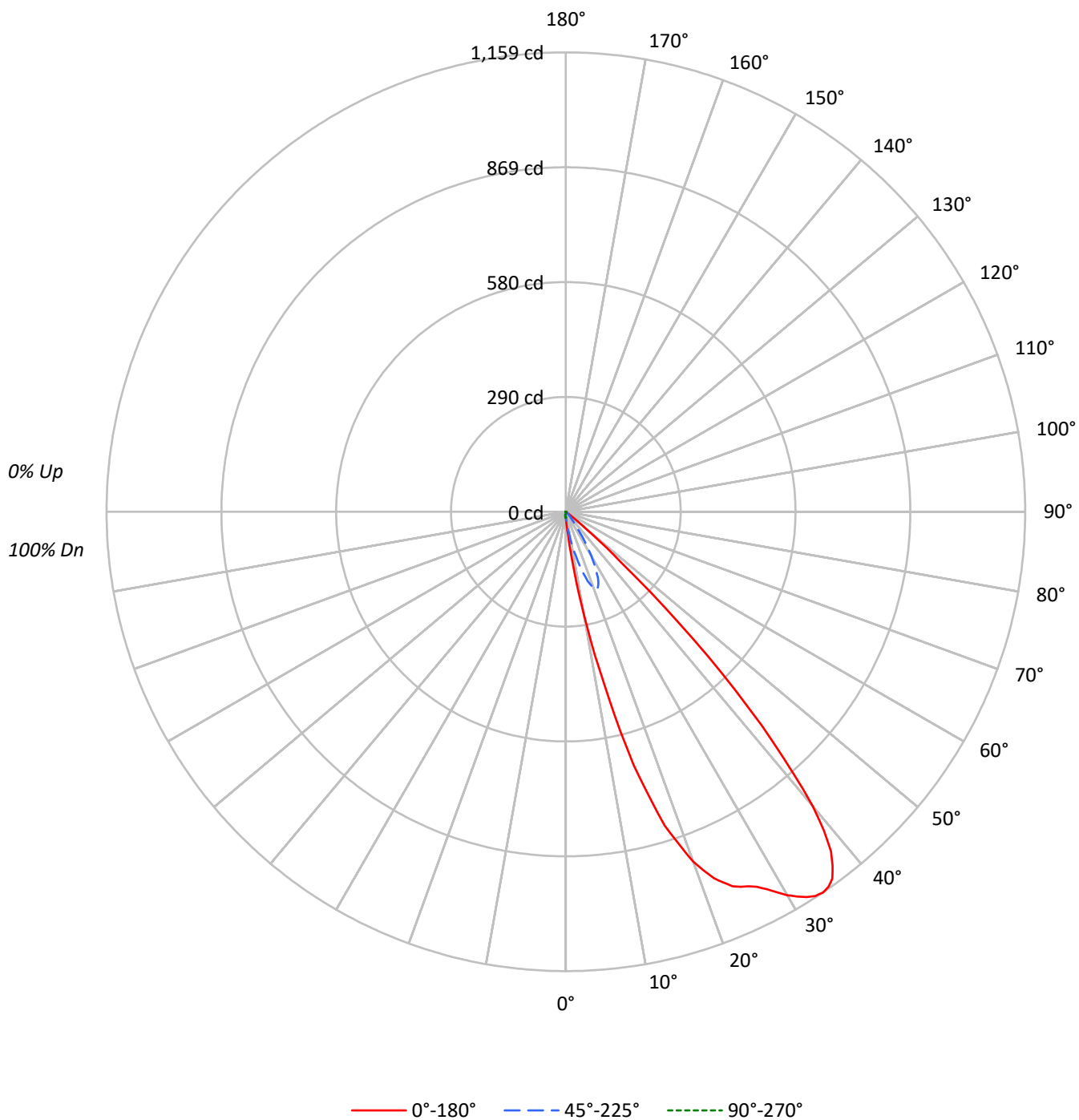
Lumens per Lamp: N/A
Luminaire Lumens: 279.0 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

Luminous Intensity Polar Plot





TEST NUMBER: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	83		
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75		
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	2566	2566	2566	2566	2566
5°	9318	5791	2351	951	674
10°	46151	13868	1836	175	0
15°	117730	26424	1159	0	0
20°	172022	37571	477	0	0
25°	198464	36865	95	0	0
30°	222133	25296	0	0	0
35°	242917	10891	0	0	0
40°	218031	4249	0	0	0
45°	111331	1729	0	0	0
50°	17174	214	0	0	0
55°	1021	0	90	0	0
60°	0	0	103	0	0
65°	0	0	204	0	0
70°	0	151	252	0	0
75°	0	200	532	0	0
80°	0	298	793	0	0
85°	0	593	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 111331 cd/sqm

TEST NUMBER: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	1.1
10°-20°	37.2	13.3
20°-30°	91.9	32.9
30°-40°	105.6	37.9
40°-50°	39.2	14.0
50°-60°	1.4	0.5
60°-70°	0.1	0.1
70°-80°	0.2	0.1
80°-90°	0.2	0.1
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°	132.2	47.4
0°-40°	237.8	85.2
0°-60°	278.4	99.8
0°-90°	279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	279.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	15	15	15	15	15	
5°	54	34	14	6	4	12
15°	660	148	6	0	0	190
25°	1044	194	0	0	0	483
35°	1155	52	0	0	0	701
45°	457	7	0	0	0	356
55°	3	0	0	0	0	12
65°	0	0	0	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
2.5°	26.4	26.7	26.7	25.9	25.7	25.4	24.6	22.3	18.6	14.9	12.0
5°	53.9	54.2	54.2	52.6	49.5	46.3	43.7	33.5	21.5	13.6	8.9
7.5°	127.2	127.5	122.0	115.7	103.2	96.6	84.6	51.6	24.3	12.3	5.8
10°	263.9	258.2	243.8	225.4	206.1	180.9	155.5	79.3	26.4	10.5	3.7
12.5°	441.2	435.7	417.1	390.9	352.9	303.7	255.5	111.5	26.7	8.4	2.1
15°	660.3	644.9	622.6	579.2	523.1	446.9	367.3	148.2	25.7	6.5	0.5
17.5°	830.3	816.1	787.8	737.0	667.4	582.8	485.2	183.0	22.8	4.2	0.0
20°	938.6	923.7	897.3	852.5	778.4	679.2	567.4	205.0	18.9	2.6	0.0
21°	969.5	955.1	929.2	884.7	810.9	711.9	587.5	209.7	17.0	2.1	0.0
22°	996.8	985.5	961.4	913.0	837.8	736.0	608.0	210.2	15.7	1.6	0.0
23°	1015.9	1007.8	983.7	939.2	864.3	755.6	619.0	207.1	14.1	1.0	0.0
24°	1034.2	1024.3	1003.6	962.2	885.2	772.1	628.9	201.3	12.6	0.8	0.0
25°	1044.4	1032.9	1016.9	978.2	902.5	782.6	634.9	194.0	11.0	0.5	0.0
26°	1051.5	1042.6	1025.0	987.6	909.8	789.4	635.7	183.3	9.9	0.3	0.0
27°	1062.2	1053.3	1036.3	996.0	913.0	788.4	631.0	171.0	8.6	0.0	0.0
28°	1078.5	1066.7	1049.7	1004.9	914.3	783.9	620.5	157.6	7.3	0.0	0.0
29°	1097.1	1085.0	1066.4	1016.7	914.6	775.0	604.0	143.0	6.5	0.0	0.0
30°	1117.0	1106.5	1087.6	1028.2	917.4	763.5	584.9	127.2	5.2	0.0	0.0
31°	1132.7	1123.2	1103.1	1038.7	919.8	753.5	561.4	111.5	4.5	0.0	0.0
32°	1146.3	1137.9	1113.0	1041.0	915.1	739.4	536.2	96.4	3.7	0.0	0.0
33°	1155.7	1145.2	1116.2	1035.0	901.5	716.1	508.2	82.0	2.9	0.0	0.0
34°	1159.1	1146.5	1111.5	1019.3	874.0	680.7	471.8	67.0	2.4	0.0	0.0
35°	1155.4	1140.0	1094.4	992.3	836.8	638.6	428.1	51.8	1.8	0.0	0.0
36°	1143.7	1124.0	1070.1	953.8	783.6	588.8	384.4	40.3	1.3	0.0	0.0
37°	1118.3	1096.5	1028.5	903.0	731.0	531.8	334.6	31.4	0.8	0.0	0.0
38°	1087.1	1055.7	972.9	838.9	662.9	467.6	285.4	25.9	0.5	0.0	0.0
39°	1034.0	999.4	907.0	765.1	596.2	406.6	237.5	22.5	0.3	0.0	0.0
40°	969.8	928.7	831.6	686.0	517.4	342.7	198.2	18.9	0.3	0.0	0.0
42.5°	731.5	696.7	592.3	466.6	316.3	202.1	110.0	12.3	0.0	0.0	0.0
45°	457.1	420.8	350.1	255.8	171.2	104.7	52.9	7.1	0.0	0.0	0.0
47.5°	186.7	171.2	140.9	108.4	77.5	49.2	22.0	3.1	0.0	0.0	0.0
50°	64.1	57.1	47.9	35.1	24.9	17.0	11.5	0.8	0.0	0.0	0.0
52.5°	18.6	18.9	16.5	14.1	11.0	7.9	5.8	0.0	0.0	0.0	0.0
55°	3.4	2.9	3.4	3.1	3.4	2.9	2.1	0.0	0.0	0.3	0.0
57.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.5	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3



TEST NUMBER: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	14.9	14.9	14.9
2.5°	9.7	8.6	8.1
5°	5.5	4.2	3.9
7.5°	2.9	1.8	1.6
10°	1.0	0.3	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0

TEST NUMBER: P1309745

CATALOG NUMBER: P3SQAS02R309040DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	0.0	0.0	0.0
85°	0.0	0.0	0.0
87.5°	0.0	0.0	0.0
90°	0.0	0.0	0.0

(END OF REPORT)