

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: P1315438

Luminaire Tested: P3SQAS13R709740DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315438
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709740DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

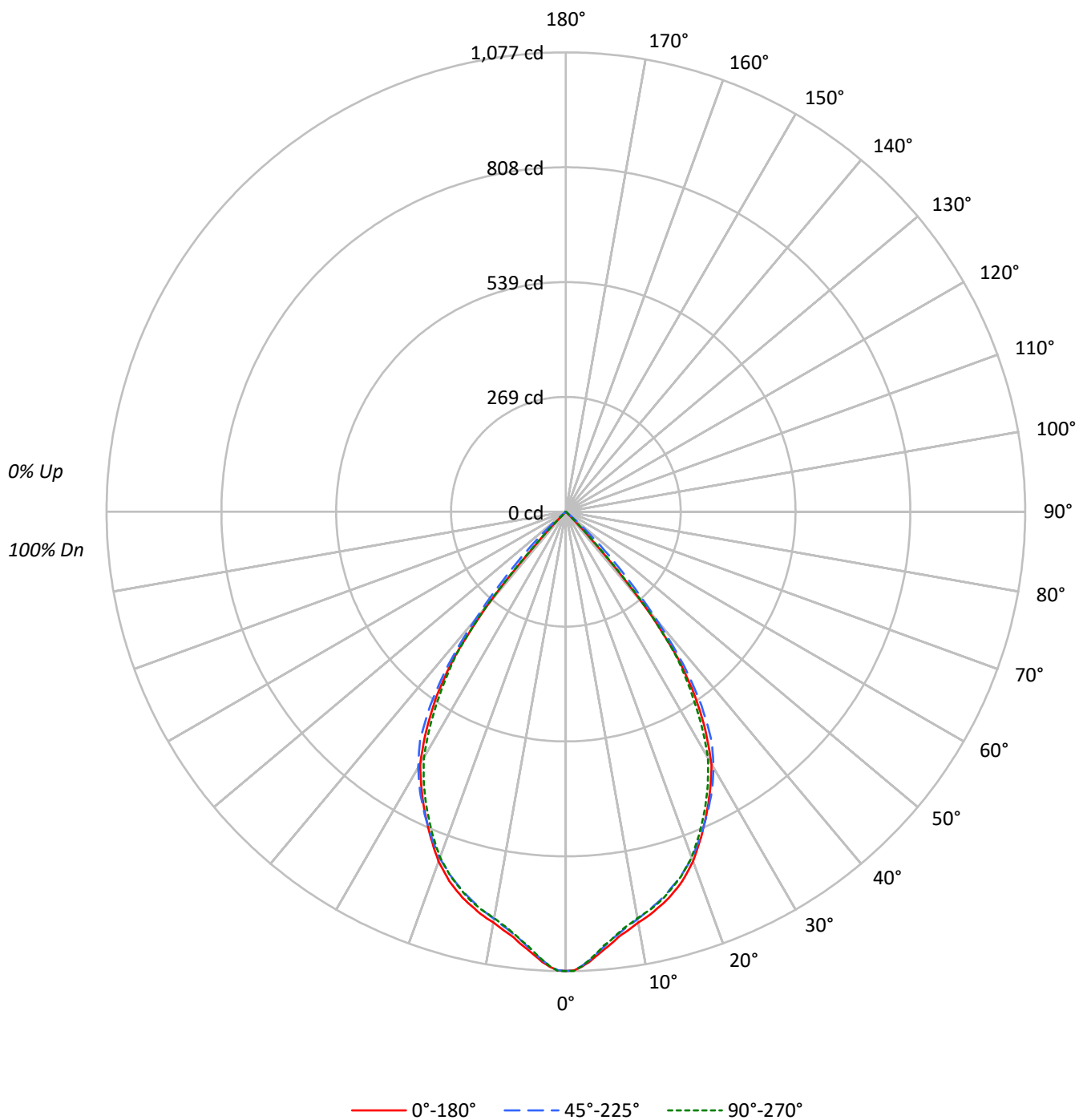
Lumens per Lamp: N/A
Luminaire Lumens: 1114.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1315438

CATALOG NUMBER: P3SQAS13R709740DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315438

CATALOG NUMBER: P3SQAS13R709740DE010 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		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	185449	185449	185449
5°	178015	177030	176546
10°	171015	169528	169196
15°	166958	164605	164943
20°	159871	158332	157983
25°	148411	148772	146435
30°	135825	137695	132444
35°	111114	116455	106762
40°	63961	74551	65648
45°	926	30981	3215
50°	0	3269	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: 30981 cd/sqm

TEST NUMBER: P1315438

CATALOG NUMBER: P3SQAS13R709740DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	8.6
10°-20°	260.3	23.4
20°-30°	357.6	32.1
30°-40°	324.3	29.1
40°-50°	75.4	6.8
50°-60°	0.4	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°	714.0	64.1
0°-40°	1038.3	93.2
0°-60°	1114.0	100.0
0°-90°	1114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1077	1077	1077	1077	1077	
5°	1030	1027	1024	1022	1021	97
15°	936	930	923	923	925	263
25°	781	785	783	775	771	358
35°	528	536	554	530	508	317
45°	4	42	127	55	13	45
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: P1315438

CATALOG NUMBER: P3SQAS13R709740DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1076.8	1076.8	1076.8	1076.8	1076.8
1°	1075.8	1074.0	1074.9	1075.8	1076.8
2°	1067.4	1065.5	1065.5	1066.4	1066.4
3°	1057.0	1053.2	1053.2	1052.3	1052.3
4°	1042.9	1040.0	1038.2	1037.2	1037.2
5°	1029.7	1026.8	1024.0	1022.1	1021.2
6°	1018.4	1013.7	1009.9	1008.9	1009.9
7°	1005.2	1002.4	998.6	995.8	996.7
8°	995.8	992.0	987.3	985.4	985.4
9°	987.3	983.5	978.8	975.0	976.9
10°	977.9	974.1	969.4	966.6	967.5
11°	971.3	966.6	960.9	959.0	960.0
12°	963.7	958.1	952.4	951.5	953.4
13°	954.3	948.7	943.0	943.0	944.9
14°	945.8	939.2	933.6	933.6	936.4
15°	936.4	929.8	923.2	923.2	925.1
17.5°	908.1	902.5	895.9	895.9	896.8
20°	872.3	869.5	863.9	861.0	862.0
22.5°	827.1	827.1	824.3	819.6	817.7
25°	781.0	784.7	782.9	775.3	770.6
27.5°	732.9	739.5	740.5	729.2	720.7
30°	683.0	688.6	692.4	679.2	666.0
32.5°	609.5	626.5	635.9	618.0	590.7
35°	528.5	536.0	553.9	530.4	507.8
37.5°	429.6	439.0	454.1	435.2	422.0
40°	284.5	322.2	331.6	322.2	292.0
42.5°	102.7	180.9	217.6	184.6	120.6
45°	3.8	42.4	127.2	54.6	13.2
47.5°	0.0	0.9	57.5	1.9	0.0
50°	0.0	0.0	12.2	0.0	0.0
52.5°	0.0	0.0	0.9	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: P1315438

CATALOG NUMBER: P3SQAS13R709740DE010 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)