

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: P1306973

Luminaire Tested: P3SQAS13R709027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306973
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: P3SQAS13R709027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

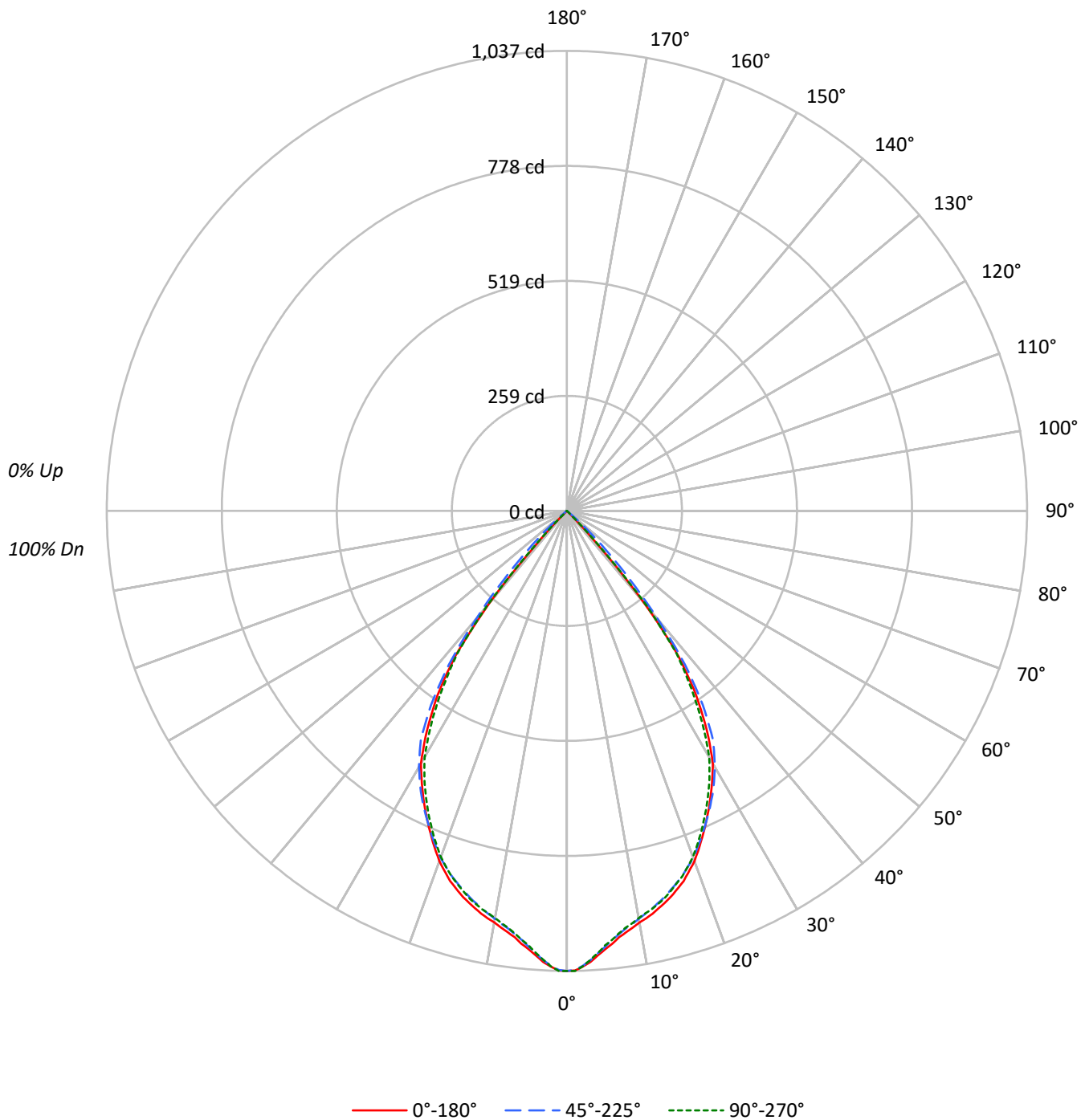
Lumens per Lamp: N/A
Luminaire Lumens: 1073.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	178612	178612	178612
5°	171463	170512	170045
10°	164719	163285	162970
15°	160807	158543	158881
20°	153988	152504	152174
25°	142938	143280	141038
30°	130834	132623	127572
35°	107015	112166	102831
40°	61601	71808	63242
45°	877	29836	3093
50°	0	3162	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: 29836 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	8.6
10°-20°	250.7	23.4
20°-30°	344.5	32.1
30°-40°	312.3	29.1
40°-50°	72.6	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°	687.7	64.1
0°-40°	1000.0	93.2
0°-60°	1073.0	100.0
0°-90°	1073.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1073.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	992	989	986	984	984	93
15°	902	896	889	889	891	253
25°	752	756	754	747	742	345
35°	509	516	534	511	489	306
45°	4	41	122	53	13	44
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.1	1037.1	1037.1	1037.1	1037.1
1°	1036.2	1034.4	1035.3	1036.2	1037.1
2°	1028.1	1026.3	1026.3	1027.2	1027.2
3°	1018.1	1014.5	1014.5	1013.6	1013.6
4°	1004.5	1001.8	999.9	999.0	999.0
5°	991.8	989.1	986.3	984.5	983.6
6°	980.9	976.4	972.7	971.8	972.7
7°	968.2	965.5	961.8	959.1	960.0
8°	959.1	955.5	950.9	949.1	949.1
9°	950.9	947.3	942.8	939.1	941.0
10°	941.9	938.2	933.7	931.0	931.9
11°	935.5	931.0	925.5	923.7	924.6
12°	928.3	922.8	917.4	916.5	918.3
13°	919.2	913.7	908.3	908.3	910.1
14°	911.0	904.7	899.2	899.2	901.9
15°	901.9	895.6	889.2	889.2	891.1
17.5°	874.7	869.3	862.9	862.9	863.8
20°	840.2	837.5	832.1	829.4	830.3
22.5°	796.7	796.7	794.0	789.4	787.6
25°	752.2	755.9	754.0	746.8	742.2
27.5°	705.9	712.3	713.2	702.3	694.2
30°	657.9	663.3	666.9	654.2	641.5
32.5°	587.1	603.4	612.5	595.2	568.9
35°	509.0	516.3	533.5	510.9	489.1
37.5°	413.8	422.8	437.4	419.2	406.5
40°	274.0	310.3	319.4	310.3	281.3
42.5°	98.9	174.2	209.6	177.8	116.1
45°	3.6	40.8	122.5	52.6	12.7
47.5°	0.0	0.9	55.4	1.8	0.0
50°	0.0	0.0	11.8	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)