

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: P1308051

Luminaire Tested: P3SQAS13R459030DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308051
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R459030DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

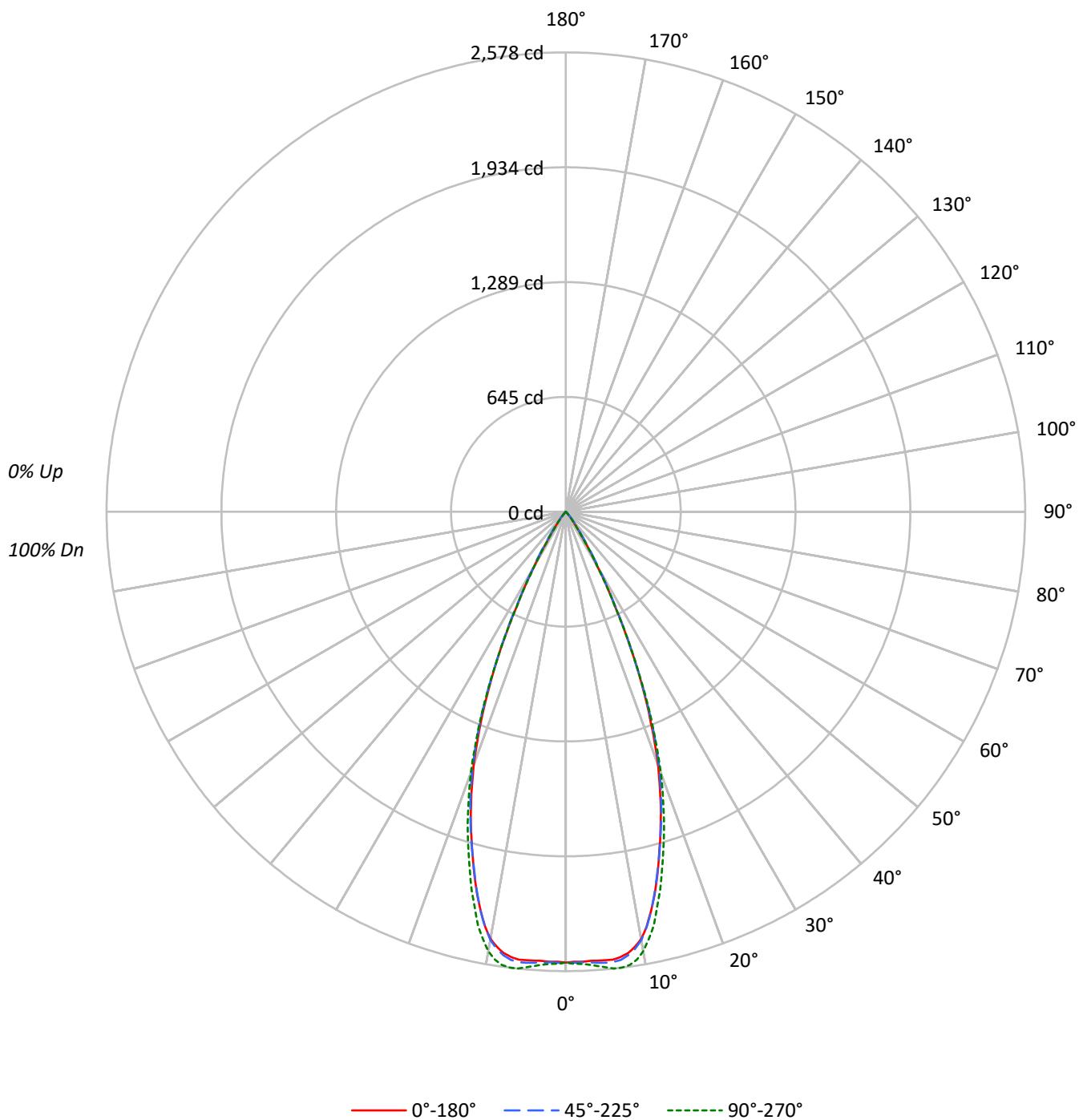
Lumens per Lamp: N/A
Luminaire Lumens: 1308.0 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	435706	435706	435706
5°	436696	439220	443594
10°	425762	426618	437828
15°	359199	359377	371163
20°	277278	281200	285836
25°	172012	172202	173304
30°	70955	75410	69802
35°	22076	26974	21256
40°	6767	9398	6340
45°	463	3556	463
50°	0	509	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: 3556 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.8	18.4
10°-20°	559.8	42.8
20°-30°	410.7	31.4
30°-40°	88.3	6.7
40°-50°	8.4	0.6
50°-60°	0.1	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°	1211.3	92.6
0°-40°	1299.6	99.4
0°-60°	1308.0	100.0
0°-90°	1308.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1308.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2530	2530	2530	2530	2530	
5°	2526	2533	2541	2558	2566	239
15°	2015	2011	2016	2048	2082	555
25°	905	902	906	906	912	406
35°	105	113	128	110	101	83
45°	2	6	15	6	2	5
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°	2529.9	2529.9	2529.9	2529.9	2529.9
1°	2525.0	2530.9	2530.9	2534.8	2536.7
2°	2527.0	2530.9	2529.9	2536.7	2539.6
3°	2524.1	2530.9	2532.8	2540.6	2545.5
4°	2525.0	2530.9	2536.7	2548.4	2555.2
5°	2526.0	2532.8	2540.6	2558.1	2565.9
6°	2527.0	2531.8	2540.6	2563.0	2577.5
7°	2517.3	2524.1	2533.8	2562.0	2577.5
8°	2501.7	2505.6	2513.4	2550.3	2568.8
9°	2472.5	2471.6	2483.2	2524.1	2545.5
10°	2434.6	2422.9	2439.5	2480.3	2503.6
11°	2373.4	2360.7	2375.3	2419.1	2441.4
12°	2293.6	2293.6	2296.6	2335.4	2374.3
13°	2209.0	2199.3	2205.2	2248.9	2276.1
14°	2115.7	2106.0	2111.8	2144.9	2187.7
15°	2014.6	2010.7	2015.6	2047.6	2081.7
17.5°	1774.4	1765.7	1783.2	1815.3	1832.8
20°	1512.9	1527.5	1534.3	1554.7	1559.6
22.5°	1212.4	1228.0	1237.7	1240.6	1243.6
25°	905.2	902.3	906.2	906.2	912.0
27.5°	595.0	595.0	605.7	598.9	592.1
30°	356.8	371.4	379.2	366.6	351.0
32.5°	194.5	209.0	221.7	203.2	189.6
35°	105.0	112.8	128.3	109.9	101.1
37.5°	57.4	64.2	73.9	62.2	57.4
40°	30.1	36.9	41.8	36.9	28.2
42.5°	9.7	18.5	24.3	18.5	8.8
45°	1.9	5.8	14.6	5.8	1.9
47.5°	0.0	1.0	6.8	1.0	0.0
50°	0.0	0.0	1.9	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



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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)