

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: P1313363

Luminaire Tested: P3SQAS13R159730DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159730DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

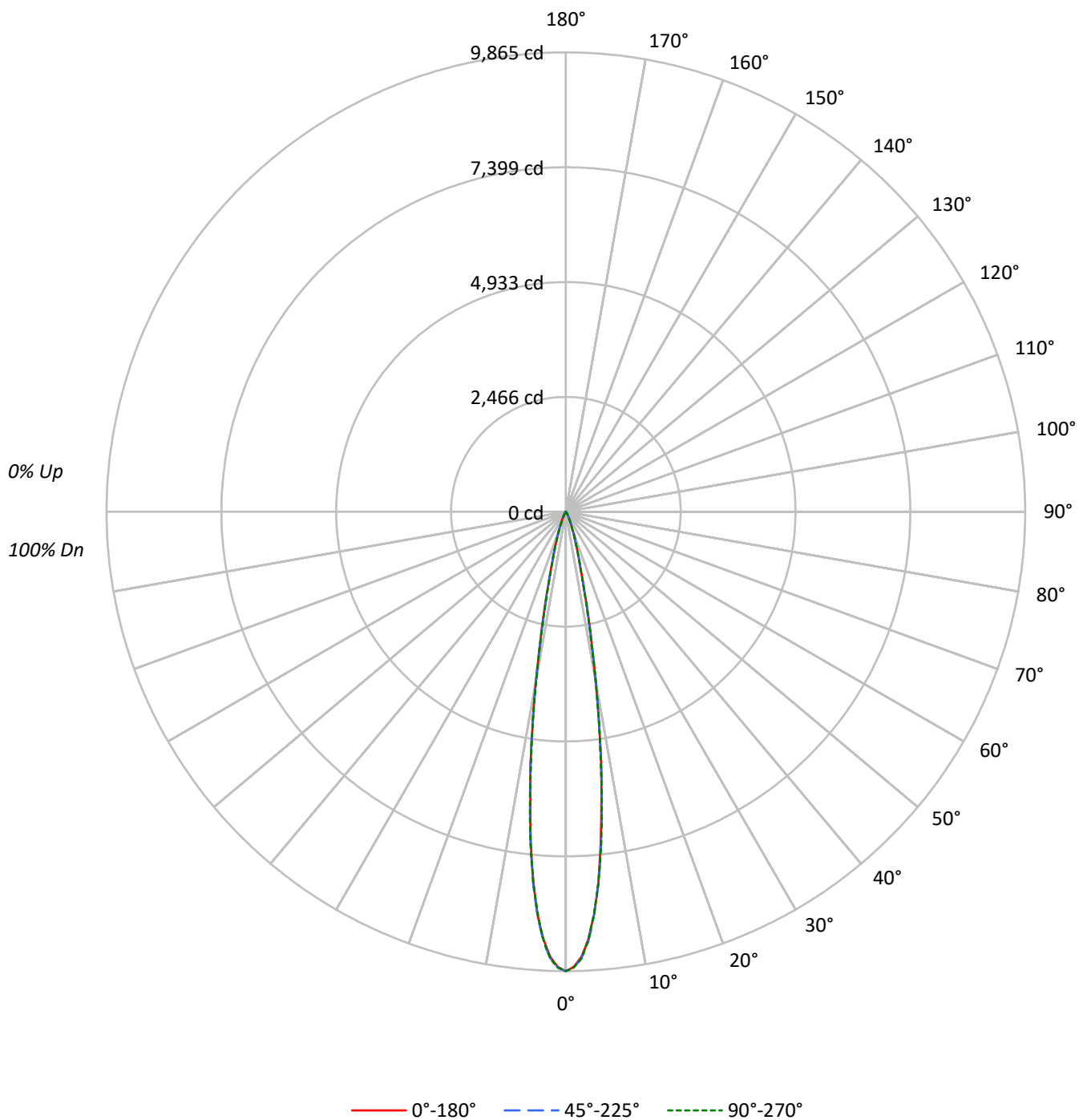
Lumens per Lamp: N/A
Luminaire Lumens: 1101.0 lumens
Efficiency: N/A
Efficacy: 75.4 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313363

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313363

CATALOG NUMBER: P3SQAS13R159730DE010 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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	97	94	92	102	97	94	91	96	93	91		94	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	88		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		90
9	97	91	88	86	96	91	88	86	90	88	86		90	87	85		89
10	95	90	87	84	95	90	86	84	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1698959	1698959	1698959
5°	1383269	1387781	1385084
10°	645270	651059	642822
15°	202636	204330	203099
20°	80275	83482	77727
25°	32438	39222	31278
30°	12986	17838	12290
35°	3847	7863	3658
40°	1169	2945	989
45°	219	633	219
50°	0	241	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: 633 cd/sqm

TEST NUMBER: P1313363

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.6	56.1
10°-20°	369.4	33.6
20°-30°	93.2	8.5
30°-40°	19.0	1.7
40°-50°	1.8	0.2
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°	1080.2	98.1
0°-40°	1099.2	99.8
0°-60°	1101.0	100.0
0°-90°	1101.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1101.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9865	9865	9865	9865	9865	
5°	8001	7986	8027	8007	8012	616
15°	1136	1146	1146	1130	1139	370
25°	171	186	206	183	165	88
35°	18	24	37	24	17	15
45°	1	2	3	2	1	1
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: P1313363

CATALOG NUMBER: P3SQAS13R159730DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9864.9	9864.9	9864.9	9864.9	9864.9
1°	9776.1	9809.2	9791.8	9805.7	9790.0
2°	9564.5	9608.9	9595.0	9590.6	9602.8
3°	9191.8	9243.1	9241.4	9228.3	9207.4
4°	8683.2	8662.3	8694.5	8691.0	8655.3
5°	8001.3	7986.5	8027.4	8007.4	8011.8
6°	7167.0	7231.5	7217.6	7219.3	7235.8
7°	6270.9	6305.8	6335.4	6359.8	6325.8
8°	5448.0	5439.3	5441.9	5469.8	5375.7
9°	4526.6	4580.6	4545.8	4490.1	4525.8
10°	3689.8	3722.9	3722.9	3674.1	3675.8
11°	2941.7	2968.7	2949.5	2961.7	2885.1
12°	2371.3	2304.3	2288.6	2300.8	2299.9
13°	1810.5	1814.8	1810.5	1809.6	1800.9
14°	1419.5	1442.1	1432.5	1409.0	1398.6
15°	1136.5	1146.0	1146.0	1129.5	1139.1
17.5°	682.7	694.1	696.7	685.4	685.4
20°	438.0	443.3	455.5	438.9	424.1
22.5°	270.0	281.3	302.2	277.8	265.6
25°	170.7	186.4	206.4	182.9	164.6
27.5°	107.1	120.2	137.6	115.0	103.6
30°	65.3	74.0	89.7	72.3	61.8
32.5°	36.6	43.5	56.6	41.8	34.8
35°	18.3	24.4	37.4	23.5	17.4
37.5°	10.5	13.1	23.5	11.3	9.6
40°	5.2	7.0	13.1	7.0	4.4
42.5°	1.7	3.5	5.2	3.5	1.7
45°	0.9	1.7	2.6	1.7	0.9
47.5°	0.0	0.0	0.9	0.0	0.0
50°	0.0	0.0	0.9	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



TEST NUMBER: P1313363

CATALOG NUMBER: P3SQAS13R159730DE010 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)