

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: P1314337

Luminaire Tested: P3SQAS13R159735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314337
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

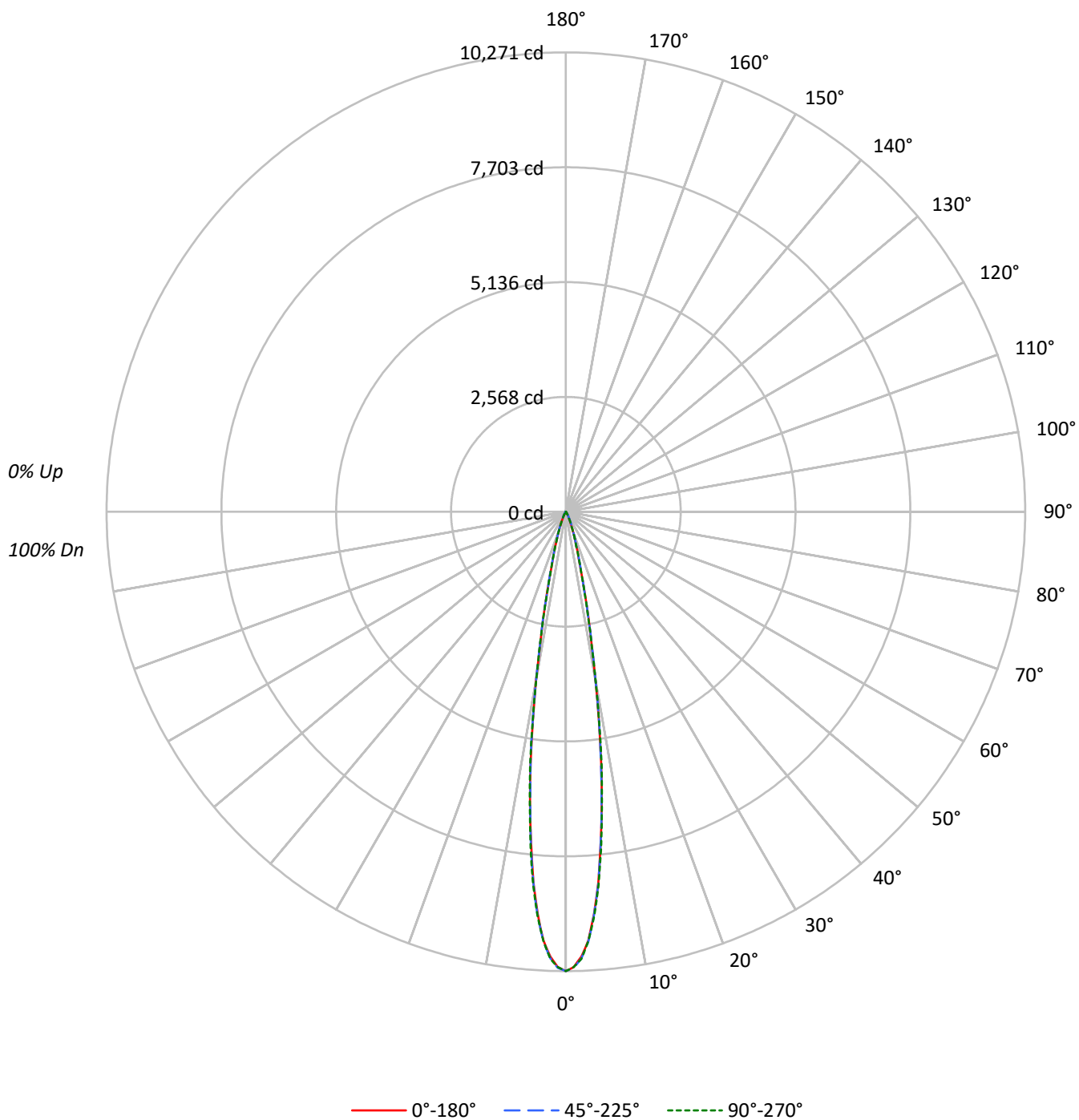
Lumens per Lamp: N/A
Luminaire Lumens: 1153.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314337

CATALOG NUMBER: P3SQAS13R159735DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314337

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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	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	100	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	96	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	92	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	90	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	88	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	87	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	85	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	84	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1768830	1768830	1768830
5°	1438314	1443327	1448341
10°	669841	670470	666833
15°	207254	214689	210641
20°	82621	87276	81631
25°	34585	40780	32856
30°	14040	18733	12966
35°	4562	8557	4184
40°	1619	3462	1619
45°	658	1096	658
50°	482	723	482
55°	540	540	540
60°	620	620	620
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

TEST NUMBER: P1314337

CATALOG NUMBER: P3SQAS13R159735DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	642.9	55.8
10°-20°	384.4	33.3
20°-30°	97.8	8.5
30°-40°	21.3	1.8
40°-50°	3.4	0.3
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
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°	1125.1	97.6
0°-40°	1146.3	99.4
0°-60°	1151.4	99.9
0°-90°	1153.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10271	10271	10271	10271	10271	
5°	8320	8332	8349	8311	8378	641
15°	1162	1195	1204	1187	1181	383
25°	182	195	215	190	173	92
35°	22	28	41	27	20	17
45°	3	4	4	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1314337

CATALOG NUMBER: P3SQAS13R159735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10270.6	10270.6	10270.6	10270.6	10270.6
1°	10181.0	10198.2	10200.9	10198.2	10183.7
2°	9952.0	10002.7	9991.8	9970.1	10000.9
3°	9598.0	9623.3	9619.7	9621.5	9614.3
4°	9022.2	9066.6	9041.2	9060.3	9062.1
5°	8319.7	8331.5	8348.7	8310.7	8377.7
6°	7455.2	7530.3	7464.2	7529.4	7555.6
7°	6576.1	6619.6	6535.4	6580.6	6607.8
8°	5677.1	5601.1	5647.3	5648.2	5737.8
9°	4706.7	4722.0	4761.0	4716.6	4755.5
10°	3830.3	3865.6	3833.9	3818.6	3813.1
11°	3024.6	3064.4	3061.7	3066.3	3036.4
12°	2433.4	2412.6	2426.2	2381.8	2401.8
13°	1893.9	1894.8	1883.9	1865.8	1849.5
14°	1483.8	1474.7	1500.1	1477.5	1456.6
15°	1162.4	1195.0	1204.1	1186.8	1181.4
17.5°	717.0	717.9	730.6	714.3	712.5
20°	450.8	461.7	476.2	459.0	445.4
22.5°	285.2	295.1	317.8	296.0	277.0
25°	182.0	194.6	214.6	190.1	172.9
27.5°	114.1	125.8	144.8	122.2	109.5
30°	70.6	78.8	94.2	77.0	65.2
32.5°	40.7	48.9	61.6	46.2	38.9
35°	21.7	28.1	40.7	27.2	19.9
37.5°	12.7	16.3	26.3	14.5	11.8
40°	7.2	10.0	15.4	9.1	7.2
42.5°	4.5	6.3	7.2	5.4	3.6
45°	2.7	3.6	4.5	3.6	2.7
47.5°	1.8	2.7	3.6	1.8	1.8
50°	1.8	1.8	2.7	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
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: P1314337
CATALOG NUMBER: P3SQAS13R159735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)