

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: P1316314

Luminaire Tested: P3SQAS13R609827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316314
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

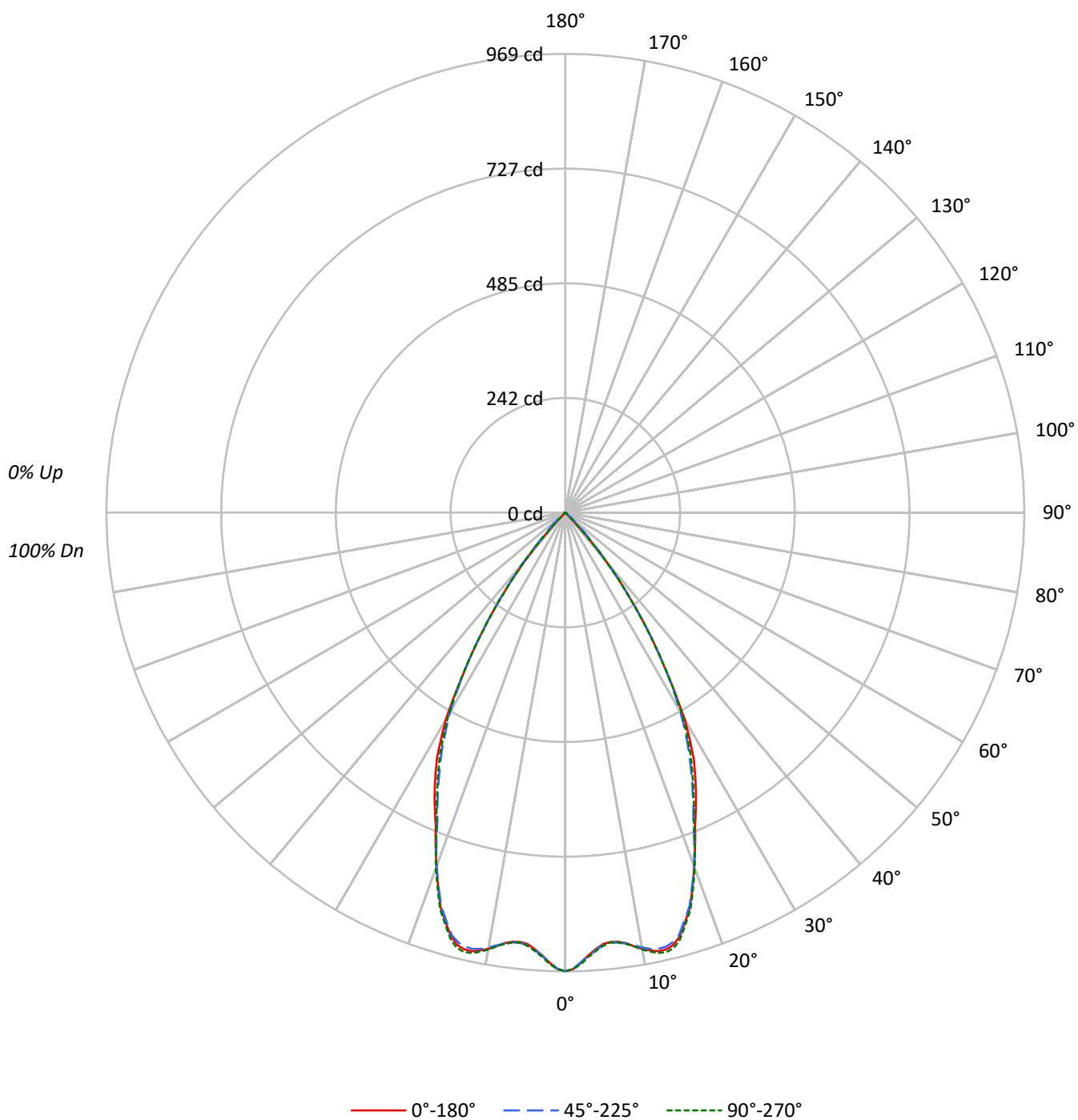
Lumens per Lamp: N/A
Luminaire Lumens: 864.1 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1316314

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316314

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCD1MW

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	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	166832	166832	166832
5°	158117	158583	158808
10°	163600	163128	163967
15°	165603	164872	166566
20°	145814	145686	146437
25°	124087	120496	121522
30°	100149	96649	98259
35°	63389	63957	63242
40°	29631	30845	30081
45°	1802	10863	2143
50°	911	2545	911
55°	1021	1021	1021
60°	930	930	930
65°	815	1100	815
70°	1007	1007	1007
75°	932	932	932
80°	694	694	694
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10863 cd/sqm

TEST NUMBER: P1316314

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	10.2
10°-20°	254.3	29.4
20°-30°	293.1	33.9
30°-40°	188.2	21.8
40°-50°	32.7	3.8
50°-60°	3.1	0.4
60°-70°	2.4	0.3
70°-80°	1.5	0.2
80°-90°	0.5	0.1
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°	635.7	73.6
0°-40°	823.9	95.3
0°-60°	859.7	99.5
0°-90°	864.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	864.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	969	969	969	969	969	
5°	915	917	917	919	919	88
15°	929	925	925	931	934	255
25°	653	646	634	635	640	298
35°	302	300	304	298	301	188
45°	7	22	45	26	9	25
55°	3	3	3	3	3	3
65°	2	3	3	3	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	

TEST NUMBER: P1316314

CATALOG NUMBER: P3SQAS13R609827DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	968.7	968.7	968.7	968.7	968.7
1°	964.6	963.9	963.3	963.9	964.6
2°	951.1	950.4	949.7	952.4	953.8
3°	936.2	936.9	937.6	938.9	939.6
4°	924.1	925.4	926.1	927.4	928.1
5°	914.6	916.6	917.3	919.3	918.6
6°	911.9	913.2	913.9	914.6	913.2
7°	913.2	913.9	914.6	915.9	914.6
8°	918.0	918.6	919.3	920.0	920.0
9°	927.4	926.1	925.4	928.1	927.4
10°	935.5	933.5	932.8	936.9	937.6
11°	942.3	939.6	938.9	943.7	945.0
12°	947.0	943.0	942.3	948.4	951.1
13°	947.0	941.6	941.6	948.4	952.4
14°	941.6	935.5	935.5	943.0	947.7
15°	928.8	925.4	924.7	930.8	934.2
17.5°	874.7	870.7	871.3	878.1	878.8
20°	795.6	793.6	794.9	796.3	799.0
22.5°	715.2	713.8	706.4	708.4	709.8
25°	653.0	645.6	634.1	634.7	639.5
27.5°	587.4	580.0	563.8	567.1	571.9
30°	503.6	497.5	486.0	488.1	494.1
32.5°	395.4	407.6	396.8	400.2	398.1
35°	301.5	299.5	304.2	298.1	300.8
37.5°	212.3	212.9	215.0	209.6	209.6
40°	131.8	135.2	137.2	134.5	133.8
42.5°	55.4	75.7	79.8	75.7	56.1
45°	7.4	22.3	44.6	26.4	8.8
47.5°	3.4	4.7	23.7	4.7	3.4
50°	3.4	3.4	9.5	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	2.7	2.7	2.7	2.7	2.7
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.0	2.7	2.7	2.7	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
77.5°	1.4	1.4	1.4	1.4	1.4
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1316314

CATALOG NUMBER: P3SQAS13R609827DE010 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)