

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: P1308705

Luminaire Tested: P3SQAS02R609035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308705
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: P3SQAS02R609035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

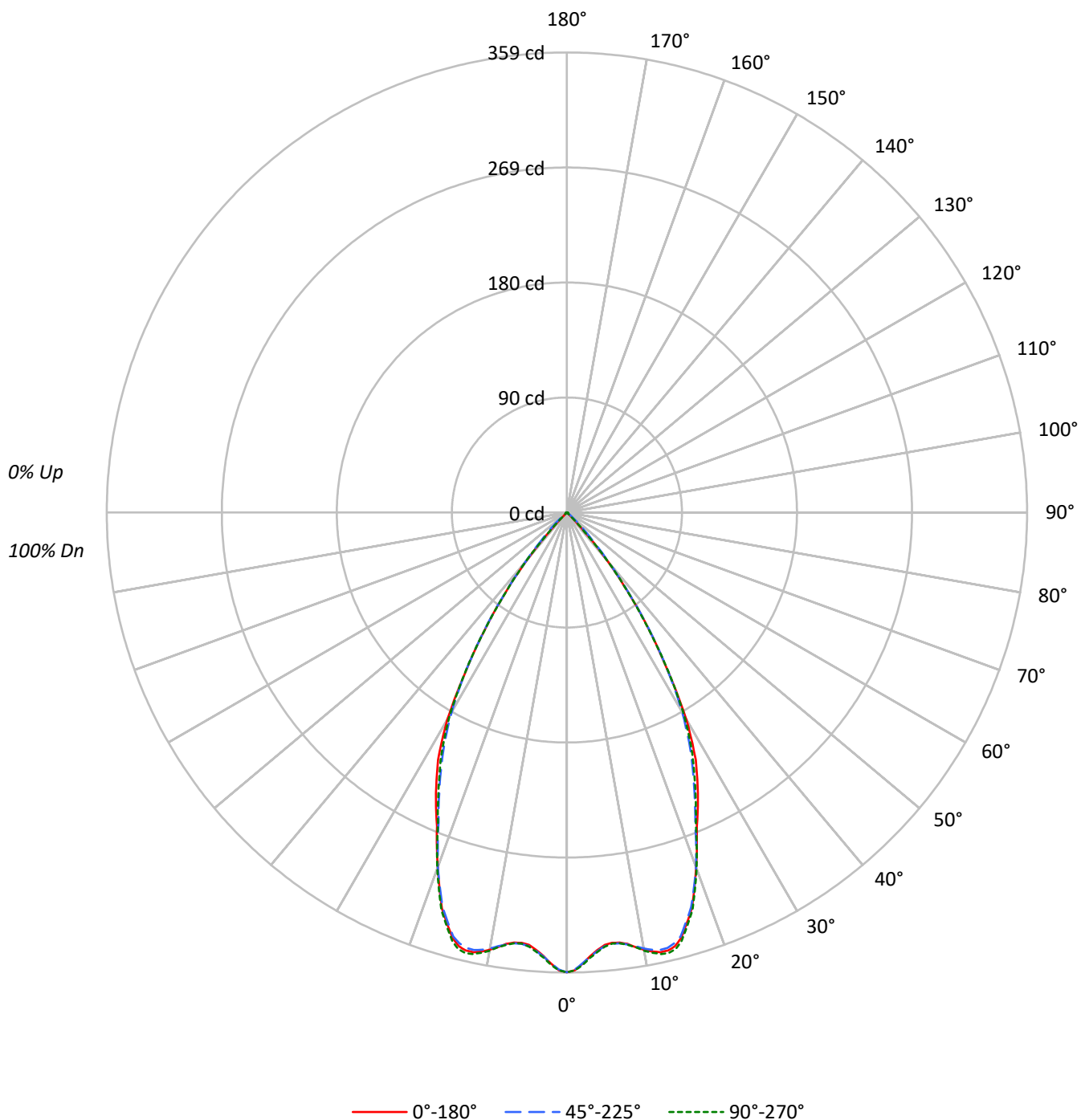
Lumens per Lamp: N/A
Luminaire Lumens: 320.1 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1308705

CATALOG NUMBER: P3SQAS02R609035DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308705

CATALOG NUMBER: P3SQAS02R609035DE010 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	78		83
5	93	85	79	75	91	84	78	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	63	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°	61793	61793	61793
5°	58555	58728	58814
10°	60596	60421	60718
15°	61335	61067	61691
20°	54011	53956	54231
25°	45948	44618	44998
30°	37088	35796	36392
35°	23484	23695	23421
40°	10971	11421	11151
45°	682	4019	804
50°	348	938	348
55°	390	390	390
60°	344	344	344
65°	326	408	326
70°	403	403	403
75°	333	333	333
80°	298	298	298
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4019 cd/sqm

TEST NUMBER: P1308705

CATALOG NUMBER: P3SQAS02R609035DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.7	10.2
10°-20°	94.2	29.4
20°-30°	108.6	33.9
30°-40°	69.7	21.8
40°-50°	12.1	3.8
50°-60°	1.2	0.4
60°-70°	0.9	0.3
70°-80°	0.5	0.2
80°-90°	0.2	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°	235.4	73.5
0°-40°	305.1	95.3
0°-60°	318.5	99.5
0°-90°	320.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	320.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	359	359	359	359	359	
5°	339	340	340	340	340	33
15°	344	343	342	345	346	94
25°	242	239	235	235	237	110
35°	112	111	113	110	111	70
45°	3	8	16	10	3	9
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1308705

CATALOG NUMBER: P3SQAS02R609035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	358.8	358.8	358.8	358.8	358.8
1°	357.3	357.0	356.8	357.0	357.3
2°	352.3	352.0	351.8	352.8	353.3
3°	346.7	347.0	347.2	347.7	348.0
4°	342.2	342.7	343.0	343.5	343.7
5°	338.7	339.5	339.7	340.5	340.2
6°	337.7	338.2	338.5	338.7	338.2
7°	338.2	338.5	338.7	339.2	338.7
8°	340.0	340.2	340.5	340.7	340.7
9°	343.5	343.0	342.7	343.7	343.5
10°	346.5	345.7	345.5	347.0	347.2
11°	349.0	348.0	347.7	349.5	350.0
12°	350.8	349.3	349.0	351.3	352.3
13°	350.8	348.8	348.8	351.3	352.8
14°	348.8	346.5	346.5	349.3	351.0
15°	344.0	342.7	342.5	344.7	346.0
17.5°	324.0	322.5	322.7	325.2	325.5
20°	294.7	293.9	294.4	294.9	295.9
22.5°	264.9	264.4	261.6	262.4	262.9
25°	241.8	239.1	234.8	235.1	236.8
27.5°	217.6	214.8	208.8	210.1	211.8
30°	186.5	184.3	180.0	180.8	183.0
32.5°	146.5	151.0	147.0	148.2	147.5
35°	111.7	110.9	112.7	110.4	111.4
37.5°	78.6	78.9	79.6	77.6	77.6
40°	48.8	50.1	50.8	49.8	49.6
42.5°	20.5	28.0	29.5	28.0	20.8
45°	2.8	8.3	16.5	9.8	3.3
47.5°	1.3	1.8	8.8	1.8	1.3
50°	1.3	1.3	3.5	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.8	1.0	1.0	1.0	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1308705

CATALOG NUMBER: P3SQAS02R609035DE010 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)