

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: P1310420

Luminaire Tested: P3SQAS17R359040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

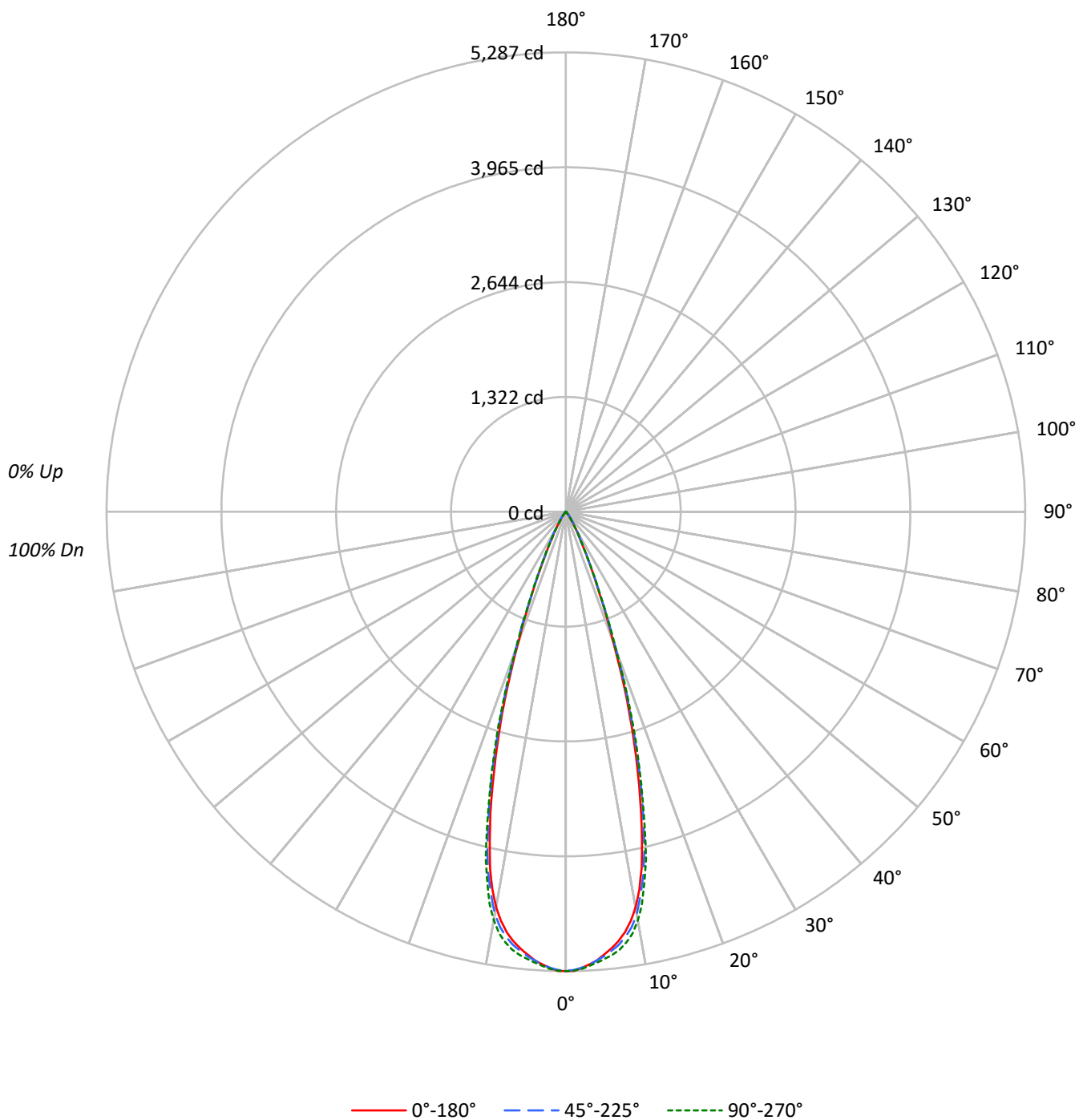
Lumens per Lamp: N/A
Luminaire Lumens: 1776.1 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1310420

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310420

CATALOG NUMBER: P3SQAS17R359040DE010 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	115	113	111	109	112	110	109	107	106	105	104		103	102	101		99
2	111	107	104	101	109	105	103	100	102	100	98		99	98	96		97
3	107	102	98	95	105	101	97	95	98	96	93		96	94	92		94
4	103	98	94	91	102	97	93	90	95	92	89		93	90	88		91
5	100	94	90	86	99	93	89	86	91	88	85		90	87	85		89
6	97	90	86	83	96	90	86	83	88	85	82		87	84	82		86
7	94	87	83	80	93	87	82	79	85	82	79		84	81	79		83
8	91	84	80	77	90	84	79	77	83	79	76		82	78	76		81
9	88	81	77	74	88	81	77	74	80	76	74		79	76	74		79
10	86	79	75	72	85	78	74	72	78	74	71		77	74	71		76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	910576	910576	910576
5°	883627	886739	892720
10°	808275	822336	834944
15°	580200	601453	607622
20°	291848	308856	309626
25°	110615	114035	114567
30°	44924	51546	44088
35°	16315	24767	15726
40°	6857	10589	6542
45°	1681	4384	1681
50°	1125	1849	1125
55°	1261	1261	1261
60°	1447	1447	1447
65°	1141	1141	1141
70°	705	705	705
75°	932	932	932
80°	1389	1389	1389
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 4384 cd/sqm

TEST NUMBER: P1310420

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.0	26.9
10°-20°	890.6	50.1
20°-30°	320.3	18.0
30°-40°	67.3	3.8
40°-50°	11.6	0.7
50°-60°	3.8	0.2
60°-70°	2.8	0.2
70°-80°	1.5	0.1
80°-90°	0.2	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°	1688.9	95.1
0°-40°	1756.2	98.9
0°-60°	1771.6	99.7
0°-90°	1776.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1776.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5287	5287	5287	5287	5287	
5°	5111	5121	5129	5164	5164	474
15°	3254	3311	3373	3409	3408	866
25°	582	590	600	606	603	309
35°	78	92	118	90	75	59
45°	7	11	18	11	7	8
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1310420

CATALOG NUMBER: P3SQAS17R359040DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5287.2	5287.2	5287.2	5287.2	5287.2
1°	5284.4	5284.4	5273.3	5285.8	5281.6
2°	5255.3	5258.1	5251.1	5266.4	5265.0
3°	5215.1	5222.0	5216.5	5238.7	5231.7
4°	5172.1	5177.7	5174.9	5202.6	5199.9
5°	5111.2	5120.9	5129.2	5163.8	5163.8
6°	5048.8	5058.5	5076.5	5113.9	5126.4
7°	4976.7	4989.2	5018.3	5068.2	5076.5
8°	4885.3	4899.1	4939.3	4993.4	5004.5
9°	4771.6	4792.4	4838.1	4903.3	4910.2
10°	4621.9	4638.6	4702.3	4756.4	4774.4
11°	4427.9	4441.8	4498.6	4585.9	4597.0
12°	4192.3	4209.0	4282.4	4339.2	4350.3
13°	3894.4	3926.2	4014.9	4070.4	4100.9
14°	3588.1	3631.0	3694.8	3773.8	3754.4
15°	3254.1	3310.9	3373.3	3409.3	3407.9
17.5°	2435.0	2468.3	2523.7	2544.5	2572.2
20°	1592.4	1635.4	1685.2	1704.6	1689.4
22.5°	988.1	999.2	1014.5	1022.8	1020.0
25°	582.1	590.4	600.1	605.6	602.9
27.5°	350.6	370.0	383.9	367.3	357.6
30°	225.9	234.2	259.2	237.0	221.7
32.5°	134.4	153.8	174.6	148.3	128.9
35°	77.6	91.5	117.8	90.1	74.8
37.5°	49.9	56.8	76.2	55.4	48.5
40°	30.5	38.8	47.1	36.0	29.1
42.5°	15.2	23.6	27.7	20.8	15.2
45°	6.9	11.1	18.0	11.1	6.9
47.5°	4.2	5.5	11.1	5.5	4.2
50°	4.2	4.2	6.9	4.2	4.2
52.5°	4.2	4.2	4.2	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	4.2	4.2	4.2	4.2	4.2
60°	4.2	4.2	4.2	4.2	4.2
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.8	2.8	2.8	2.8	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	1.4	1.4	1.4	1.4	1.4
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°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	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: P1310420

CATALOG NUMBER: P3SQAS17R359040DE010 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)