

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: P1312763

Luminaire Tested: P3SQAS20R359727D010 E3SQPH1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359727D010 E3SQPH1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

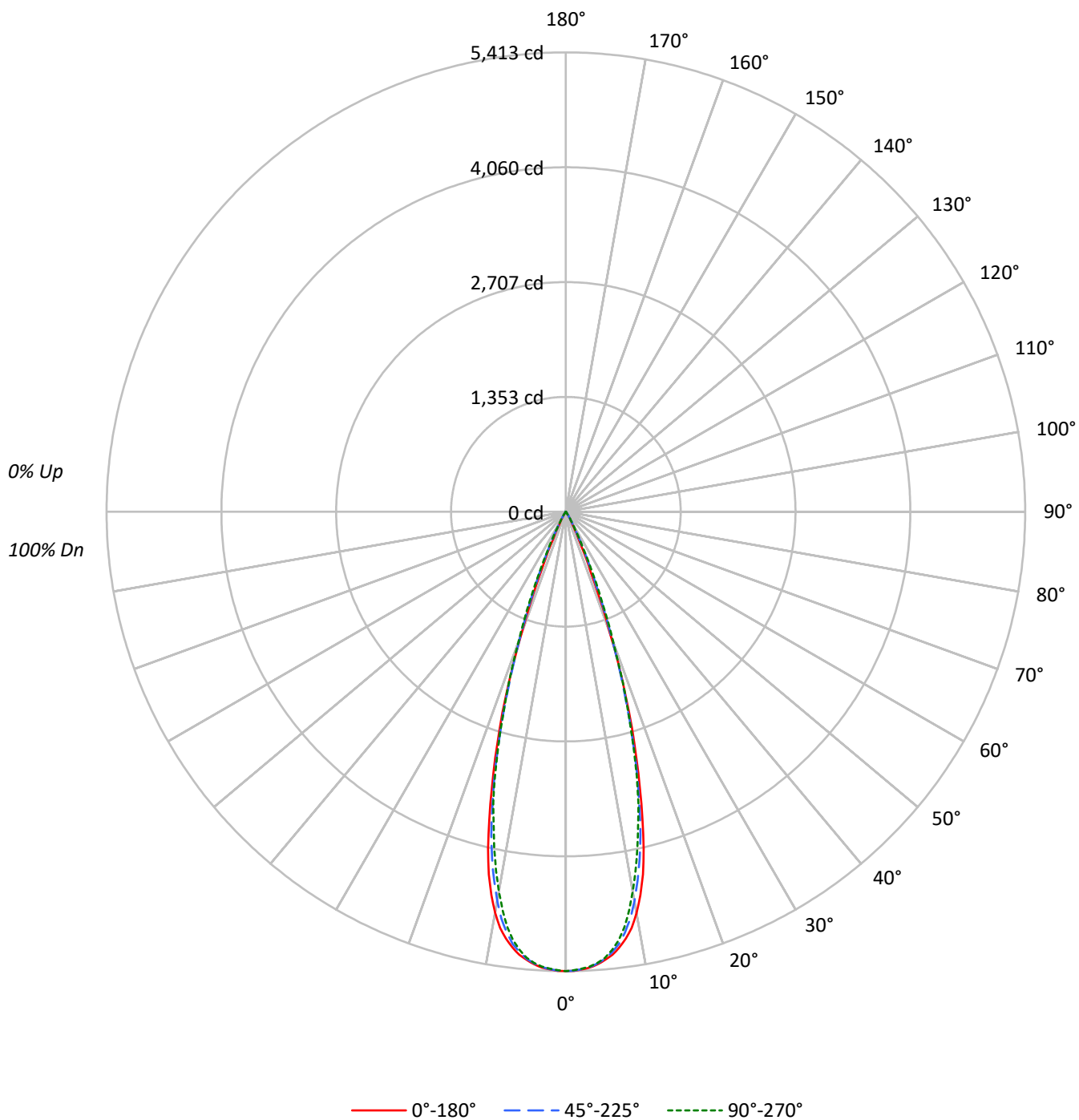
Lumens per Lamp: N/A
Luminaire Lumens: 1643.0 lumens
Efficiency: N/A
Efficacy: 57.0 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1312763

CATALOG NUMBER: P3SQAS20R359727D010 E3SQPH1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1312763

CATALOG NUMBER: P3SQAS20R359727D010 E3SQPH1MMS

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	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	103	101	103	101	99		100	98	97		97
3	108	103	100	97	106	102	99	96	99	97	94		97	95	93		95
4	104	99	95	92	103	98	94	92	96	93	91		94	92	90		93
5	101	95	91	88	100	95	91	88	93	90	87		92	89	87		90
6	98	92	88	85	97	91	88	85	90	87	84		89	86	84		88
7	96	89	85	82	94	89	85	82	87	84	81		86	83	81		85
8	93	86	82	79	92	86	82	79	85	81	79		84	81	79		83
9	90	84	80	77	89	83	79	77	82	79	76		82	79	76		81
10	88	81	77	75	87	81	77	74	80	77	74		80	76	74		79

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	932258	932258	932258
5°	916249	914296	912342
10°	839736	814484	794687
15°	601292	582125	575047
20°	278817	288421	298537
25°	66148	94120	98149
30°	19409	22233	25057
35°	4457	7148	6539
40°	944	1911	1281
45°	341	341	341
50°	375	0	375
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: 0°

Vertical Angle: 52.5°

Luminance: 396 cd/sqm

TEST NUMBER: P1312763

CATALOG NUMBER: P3SQAS20R359727D010 E3SQPH1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	486.0	29.6
10°-20°	868.8	52.9
20°-30°	261.4	15.9
30°-40°	25.0	1.5
40°-50°	1.7	0.1
50°-60°	0.1	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°	1616.2	98.4
0°-40°	1641.2	99.9
0°-60°	1643.0	100.0
0°-90°	1643.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1643.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5413	5413	5413	5413	5413	
5°	5300	5298	5289	5282	5277	491
15°	3372	3347	3265	3251	3225	891
25°	348	384	495	516	516	224
35°	21	28	34	37	31	20
45°	1	1	1	1	1	2
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: P1312763

CATALOG NUMBER: P3SQAS20R359727D010 E3SQPH1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5413.1	5413.1	5413.1	5413.1	5413.1
1°	5410.3	5410.3	5407.5	5407.5	5401.8
2°	5397.5	5399.0	5393.3	5391.9	5387.6
3°	5377.7	5373.5	5373.5	5370.7	5367.8
4°	5346.6	5338.1	5335.3	5336.7	5331.0
5°	5299.9	5298.5	5288.6	5281.5	5277.3
6°	5249.0	5239.0	5217.8	5199.4	5195.2
7°	5172.5	5151.3	5132.9	5094.7	5089.0
8°	5079.1	5045.2	5005.5	4951.8	4948.9
9°	4964.5	4909.3	4854.1	4781.9	4756.5
10°	4801.8	4750.8	4657.4	4593.7	4544.2
11°	4599.4	4535.7	4426.7	4350.3	4309.3
12°	4370.1	4310.7	4183.3	4114.0	4055.9
13°	4075.8	4026.2	3907.4	3830.9	3785.6
14°	3734.7	3697.9	3584.7	3550.7	3535.2
15°	3372.4	3346.9	3264.9	3250.7	3225.2
17.5°	2482.2	2439.8	2393.1	2401.6	2410.1
20°	1521.3	1580.8	1573.7	1604.8	1628.9
22.5°	758.5	835.0	924.1	977.9	1004.8
25°	348.1	383.5	495.3	516.5	516.5
27.5°	175.5	184.0	233.5	237.8	249.1
30°	97.6	104.7	111.8	124.5	126.0
32.5°	49.5	58.0	60.9	67.9	65.1
35°	21.2	28.3	34.0	36.8	31.1
37.5°	9.9	12.7	18.4	17.0	12.7
40°	4.2	5.7	8.5	7.1	5.7
42.5°	2.8	2.8	4.2	2.8	2.8
45°	1.4	1.4	1.4	1.4	1.4
47.5°	1.4	1.4	0.0	1.4	1.4
50°	1.4	0.0	0.0	0.0	1.4
52.5°	1.4	0.0	0.0	0.0	1.4
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: P1312763

CATALOG NUMBER: P3SQAS20R359727D010 E3SQPH1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)