

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: P1306421

Luminaire Tested: P3SQAS02R359027DE010 E3SQPHL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306421
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R359027DE010 E3SQPHL1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

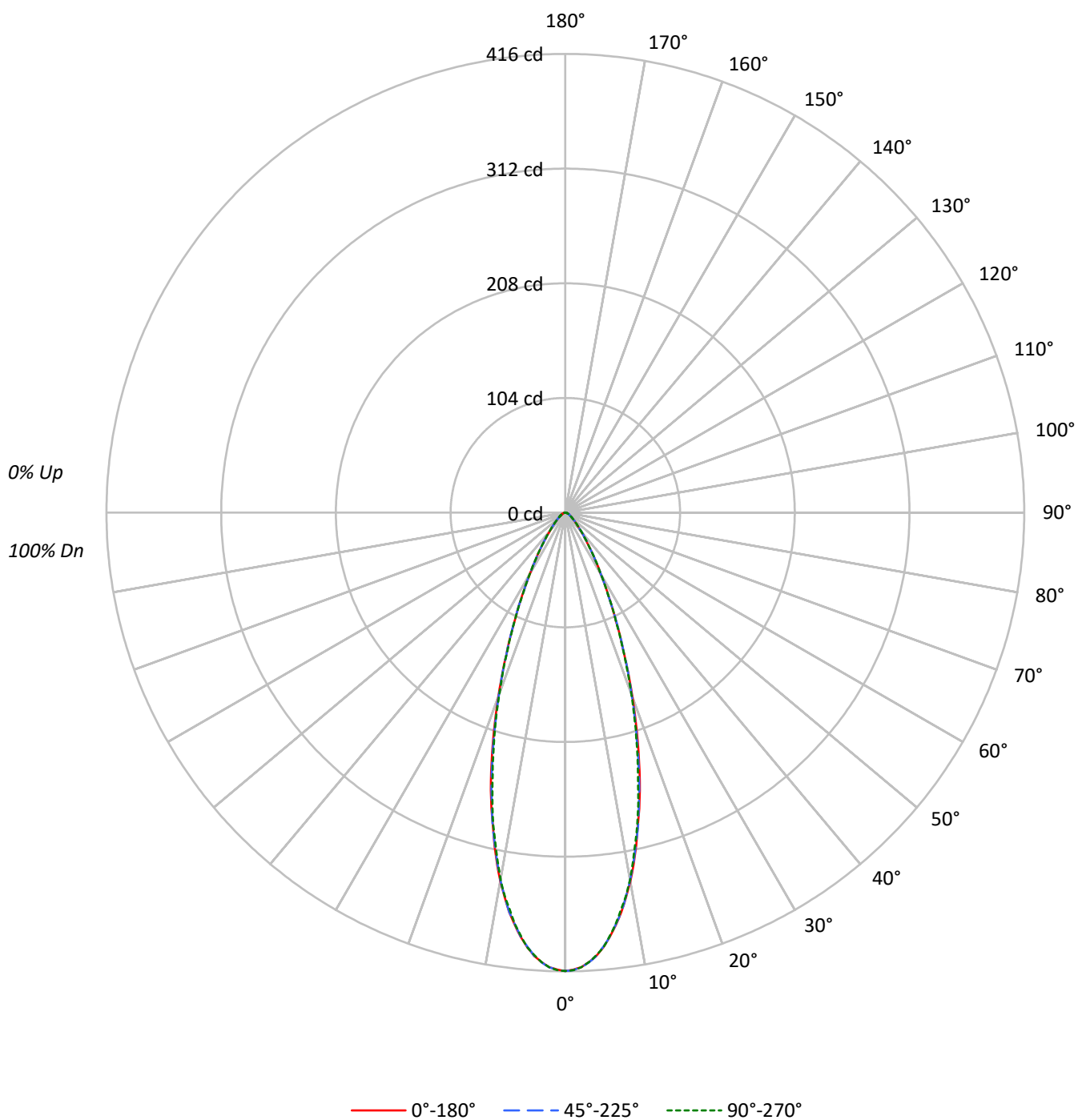
Lumens per Lamp: N/A
Luminaire Lumens: 205.0 lumens
Efficiency: N/A
Efficacy: 56.9 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306421

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQPHL1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1306421

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQPHL1MMS

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	106	104	105	103	101		101	99	98		97
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	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	71593	71593	71593
5°	68409	68288	68409
10°	59389	59179	59109
15°	46536	46161	45448
20°	32550	32256	32055
25°	20675	20808	20675
30°	12747	12827	12747
35°	7884	7926	7926
40°	5014	5058	5058
45°	3385	3434	3483
50°	2438	2492	2492
55°	1922	1922	1922
60°	1550	1550	1550
65°	1386	1386	1386
70°	1259	1259	1259
75°	1065	1065	1065
80°	893	893	893
85°	395	395	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 3483 cd/sqm

TEST NUMBER: P1306421

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQPHL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	17.5
10°-20°	70.7	34.5
20°-30°	51.0	24.9
30°-40°	24.6	12.0
40°-50°	11.3	5.5
50°-60°	5.9	2.9
60°-70°	3.4	1.7
70°-80°	1.7	0.8
80°-90°	0.4	0.2
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°	157.7	76.9
0°-40°	182.3	88.9
0°-60°	199.5	97.3
0°-90°	205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	205.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	416	416	416	416	416	
5°	396	397	395	395	396	36
15°	261	260	259	258	255	71
25°	109	109	110	110	109	51
35°	38	38	38	38	38	24
45°	14	14	14	14	14	11
55°	6	6	6	6	6	6
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1306421

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	415.7	415.7	415.7	415.7	415.7
1°	414.5	415.2	415.0	415.2	415.0
2°	412.5	413.0	412.5	412.7	412.7
3°	408.2	408.6	408.6	408.4	408.2
4°	403.0	404.1	403.0	403.2	402.5
5°	395.7	396.6	395.0	395.2	395.7
6°	386.8	387.1	386.6	386.4	385.9
7°	376.6	377.5	375.9	376.2	375.7
8°	365.7	365.5	365.5	364.6	363.2
9°	352.5	353.4	352.1	351.6	351.8
10°	339.6	339.6	338.4	337.3	338.0
11°	324.8	324.4	323.7	322.1	321.6
12°	308.7	309.6	307.6	306.9	305.3
13°	292.1	293.5	292.6	290.1	290.3
14°	276.7	275.8	275.1	274.6	273.0
15°	261.0	260.5	258.9	257.8	254.9
17.5°	218.1	218.5	215.6	215.1	214.0
20°	177.6	176.3	176.0	176.3	174.9
22.5°	140.1	141.5	139.9	140.1	139.2
25°	108.8	109.0	109.5	109.5	108.8
27.5°	84.5	84.5	84.0	84.5	83.8
30°	64.1	64.1	64.5	65.0	64.1
32.5°	49.5	49.5	49.5	49.7	50.0
35°	37.5	37.5	37.7	37.7	37.7
37.5°	28.8	29.1	29.3	29.3	29.3
40°	22.3	22.5	22.5	22.7	22.5
42.5°	17.7	17.7	17.7	17.9	17.9
45°	13.9	14.1	14.1	14.3	14.3
47.5°	11.4	11.4	11.4	11.6	11.6
50°	9.1	9.3	9.3	9.3	9.3
52.5°	7.5	7.5	7.7	7.7	7.7
55°	6.4	6.4	6.4	6.4	6.4
57.5°	5.2	5.5	5.5	5.5	5.5
60°	4.5	4.5	4.5	4.5	4.5
62.5°	3.9	3.9	3.9	3.9	3.9
65°	3.4	3.4	3.4	3.4	3.4
67.5°	2.7	3.0	3.0	3.0	3.0
70°	2.5	2.5	2.5	2.5	2.5
72.5°	1.8	2.0	2.0	2.0	2.0
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.4	1.1	1.1	1.1	1.4
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.5
87.5°	0.0	0.0	0.0	0.2	0.2



TEST NUMBER: P1306421

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQPHL1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)