

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: P1306416

Luminaire Tested: P3SQAS02R359027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306416
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: P3SQAS02R359027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

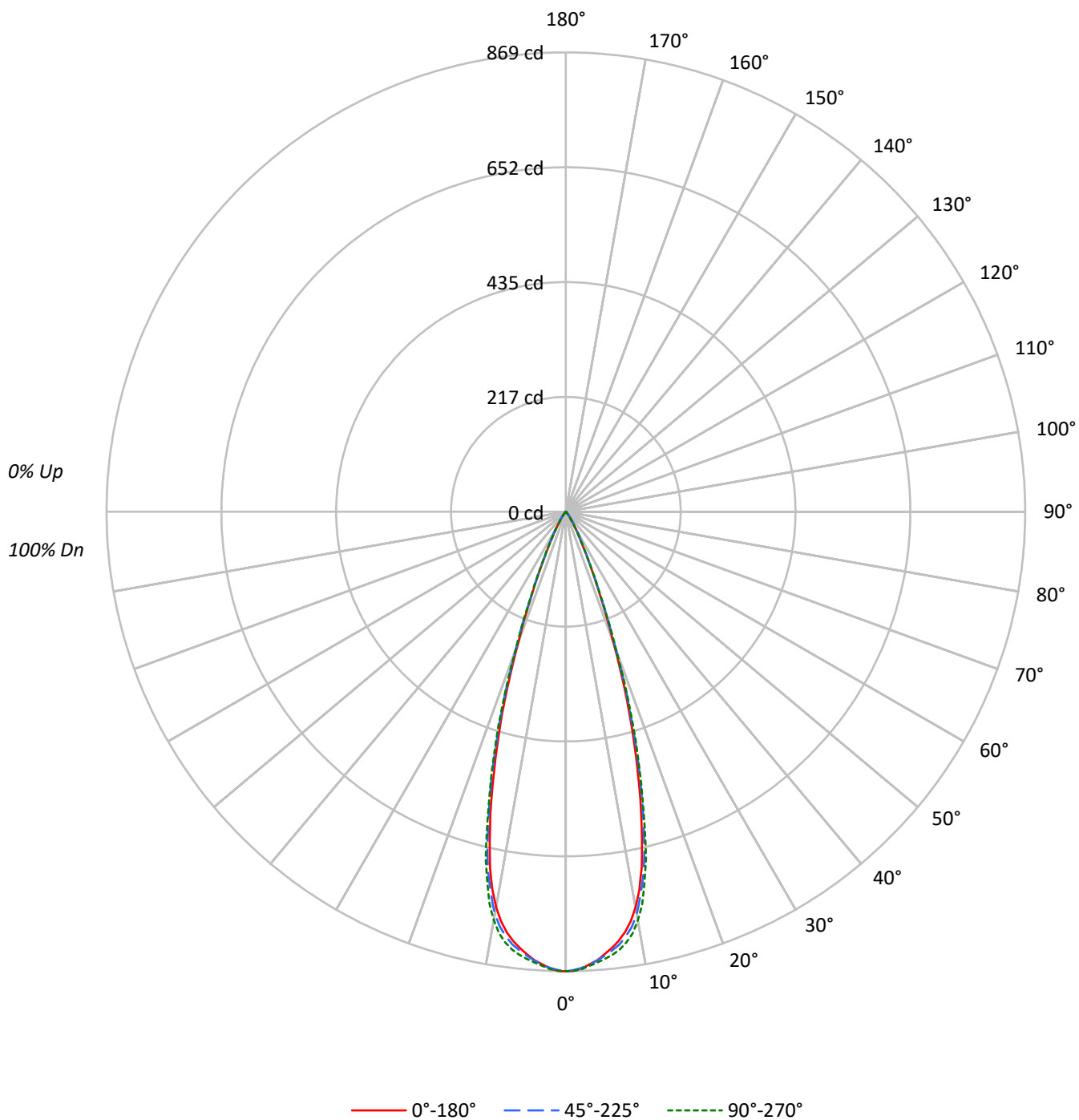
Lumens per Lamp: N/A
Luminaire Lumens: 292.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1306416

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306416

CATALOG NUMBER: P3SQAS02R359027DE010 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°	149713	149713	149713
5°	145271	145790	146776
10°	132891	135199	137280
15°	95389	98884	99900
20°	47982	50786	50914
25°	18186	18756	18832
30°	7378	8472	7259
35°	2691	4079	2586
40°	1124	1731	1079
45°	268	731	268
50°	188	295	188
55°	210	210	210
60°	241	241	241
65°	204	204	204
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 731 cd/sqm

TEST NUMBER: P1306416

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	26.9
10°-20°	146.4	50.1
20°-30°	52.7	18.0
30°-40°	11.1	3.8
40°-50°	1.9	0.7
50°-60°	0.6	0.2
60°-70°	0.5	0.2
70°-80°	0.2	0.1
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°	277.7	95.1
0°-40°	288.7	98.9
0°-60°	291.3	99.8
0°-90°	292.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	840	842	843	849	849	78
15°	535	544	555	560	560	142
25°	96	97	99	100	99	51
35°	13	15	19	15	12	10
45°	1	2	3	2	1	1
55°	1	1	1	1	1	1
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: P1306416

CATALOG NUMBER: P3SQAS02R359027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.3	869.3	869.3	869.3	869.3
1°	868.8	868.8	867.0	869.1	868.4
2°	864.0	864.5	863.4	865.9	865.6
3°	857.4	858.6	857.7	861.3	860.2
4°	850.4	851.3	850.8	855.4	854.9
5°	840.3	841.9	843.3	849.0	849.0
6°	830.1	831.7	834.7	840.8	842.9
7°	818.2	820.3	825.1	833.3	834.7
8°	803.2	805.5	812.1	821.0	822.8
9°	784.5	787.9	795.5	806.2	807.3
10°	759.9	762.6	773.1	782.0	785.0
11°	728.0	730.3	739.6	754.0	755.8
12°	689.3	692.0	704.1	713.4	715.3
13°	640.3	645.5	660.1	669.2	674.2
14°	589.9	597.0	607.5	620.5	617.3
15°	535.0	544.4	554.6	560.5	560.3
17.5°	400.4	405.8	414.9	418.4	422.9
20°	261.8	268.9	277.1	280.3	277.8
22.5°	162.5	164.3	166.8	168.2	167.7
25°	95.7	97.1	98.7	99.6	99.1
27.5°	57.6	60.8	63.1	60.4	58.8
30°	37.1	38.5	42.6	39.0	36.5
32.5°	22.1	25.3	28.7	24.4	21.2
35°	12.8	15.0	19.4	14.8	12.3
37.5°	8.2	9.3	12.5	9.1	8.0
40°	5.0	6.4	7.7	5.9	4.8
42.5°	2.5	3.9	4.6	3.4	2.5
45°	1.1	1.8	3.0	1.8	1.1
47.5°	0.7	0.9	1.8	0.9	0.7
50°	0.7	0.7	1.1	0.7	0.7
52.5°	0.7	0.7	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.7	0.7	0.7	0.7	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.5	0.5	0.5	0.5	0.5
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	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: P1306416
CATALOG NUMBER: P3SQAS02R359027DE010 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)