

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: P1308158

Luminaire Tested: P3SQAS17R259030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

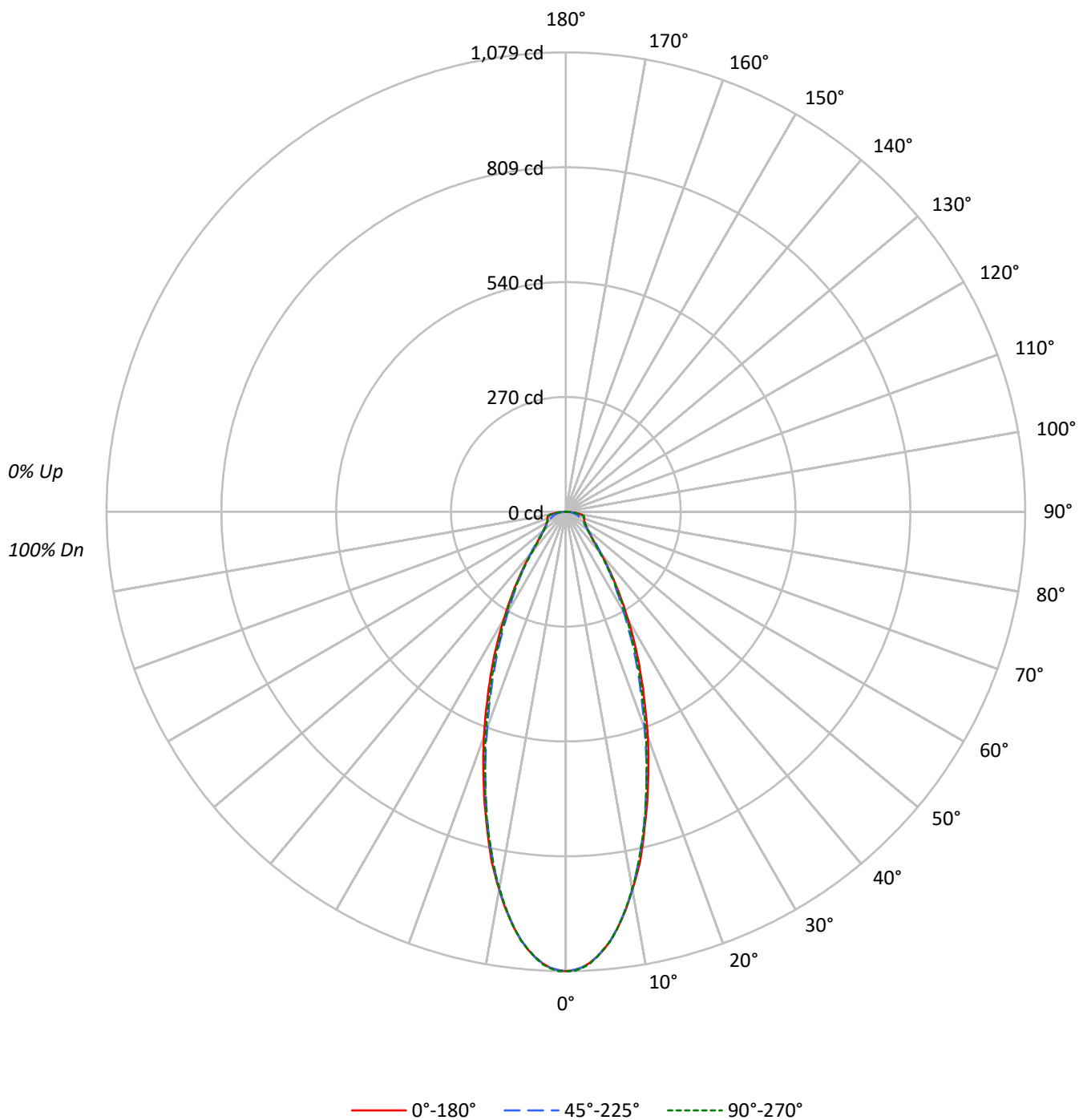
Lumens per Lamp: N/A
Luminaire Lumens: 815.0 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	185845	185845	185845
5°	178326	178101	178101
10°	157636	157409	156972
15°	130175	128339	129034
20°	103129	98895	100545
25°	78557	74395	76353
30°	57870	53773	56080
35°	41418	39526	40073
40°	28372	28957	27496
45°	21019	22261	20703
50°	18273	18273	17951
55°	17385	16634	17385
60°	17739	16396	17739
65°	19398	16790	19398
70°	23365	16869	22710
75°	29145	17966	29145
80°	36994	19142	34514
85°	30629	17784	30629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 36994 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	11.6
10°-20°	200.1	24.6
20°-30°	183.3	22.5
30°-40°	120.9	14.8
40°-50°	70.4	8.6
50°-60°	51.4	6.3
60°-70°	43.7	5.4
70°-80°	36.1	4.4
80°-90°	14.9	1.8
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°	477.6	58.6
0°-40°	598.5	73.4
0°-60°	720.3	88.4
0°-90°	815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1032	1030	1030	1032	1030	94
15°	730	728	720	722	724	202
25°	413	402	392	393	402	190
35°	197	193	188	188	191	125
45°	86	89	91	86	85	70
55°	58	58	55	57	58	53
65°	48	44	41	44	48	48
75°	44	34	27	34	44	46
85°	16	17	9	17	16	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.1	1079.1	1079.1	1079.1	1079.1
1°	1076.5	1076.5	1076.5	1076.5	1079.1
2°	1071.4	1070.1	1071.4	1071.4	1072.7
3°	1061.1	1061.1	1061.1	1061.1	1063.7
4°	1048.2	1048.2	1048.2	1048.2	1048.2
5°	1031.5	1030.2	1030.2	1031.5	1030.2
6°	1010.9	1010.9	1010.9	1010.9	1012.2
7°	987.7	986.4	986.4	985.1	987.7
8°	960.6	960.6	959.4	958.1	960.6
9°	932.3	933.6	931.0	929.7	929.7
10°	901.4	900.1	900.1	900.1	897.6
11°	870.5	866.6	865.4	865.4	867.9
12°	839.6	833.2	830.6	830.6	830.6
13°	802.3	799.7	795.8	793.2	794.5
14°	764.9	764.9	758.5	758.5	761.1
15°	730.1	727.6	719.8	722.4	723.7
17.5°	643.9	638.7	629.7	629.7	631.0
20°	562.7	553.7	539.6	546.0	548.6
22.5°	482.9	473.9	459.7	466.2	468.7
25°	413.4	401.8	391.5	392.8	401.8
27.5°	350.3	337.4	327.1	330.9	336.1
30°	291.0	283.3	270.4	276.9	282.0
32.5°	240.8	234.4	225.4	229.2	234.4
35°	197.0	193.2	188.0	188.0	190.6
37.5°	159.7	158.4	155.8	154.5	153.2
40°	126.2	128.8	128.8	126.2	122.3
42.5°	103.0	105.6	108.2	103.0	99.2
45°	86.3	88.9	91.4	86.3	85.0
47.5°	76.0	77.3	78.6	76.0	74.7
50°	68.2	68.2	68.2	67.0	67.0
52.5°	63.1	61.8	60.5	61.8	61.8
55°	57.9	57.9	55.4	56.7	57.9
57.5°	54.1	52.8	51.5	52.8	54.1
60°	51.5	48.9	47.6	48.9	51.5
62.5°	48.9	46.4	43.8	46.4	48.9
65°	47.6	43.8	41.2	43.8	47.6
67.5°	46.4	41.2	37.3	41.2	46.4
70°	46.4	38.6	33.5	38.6	45.1
72.5°	45.1	36.1	30.9	36.1	45.1
75°	43.8	33.5	27.0	33.5	43.8
77.5°	42.5	30.9	23.2	30.9	41.2
80°	37.3	28.3	19.3	28.3	34.8
82.5°	27.0	23.2	15.5	23.2	25.8
85°	15.5	16.7	9.0	16.7	15.5
87.5°	2.6	3.9	2.6	6.4	5.2



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)