

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: P1309244

Luminaire Tested: P3SQAS17R159035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309244
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

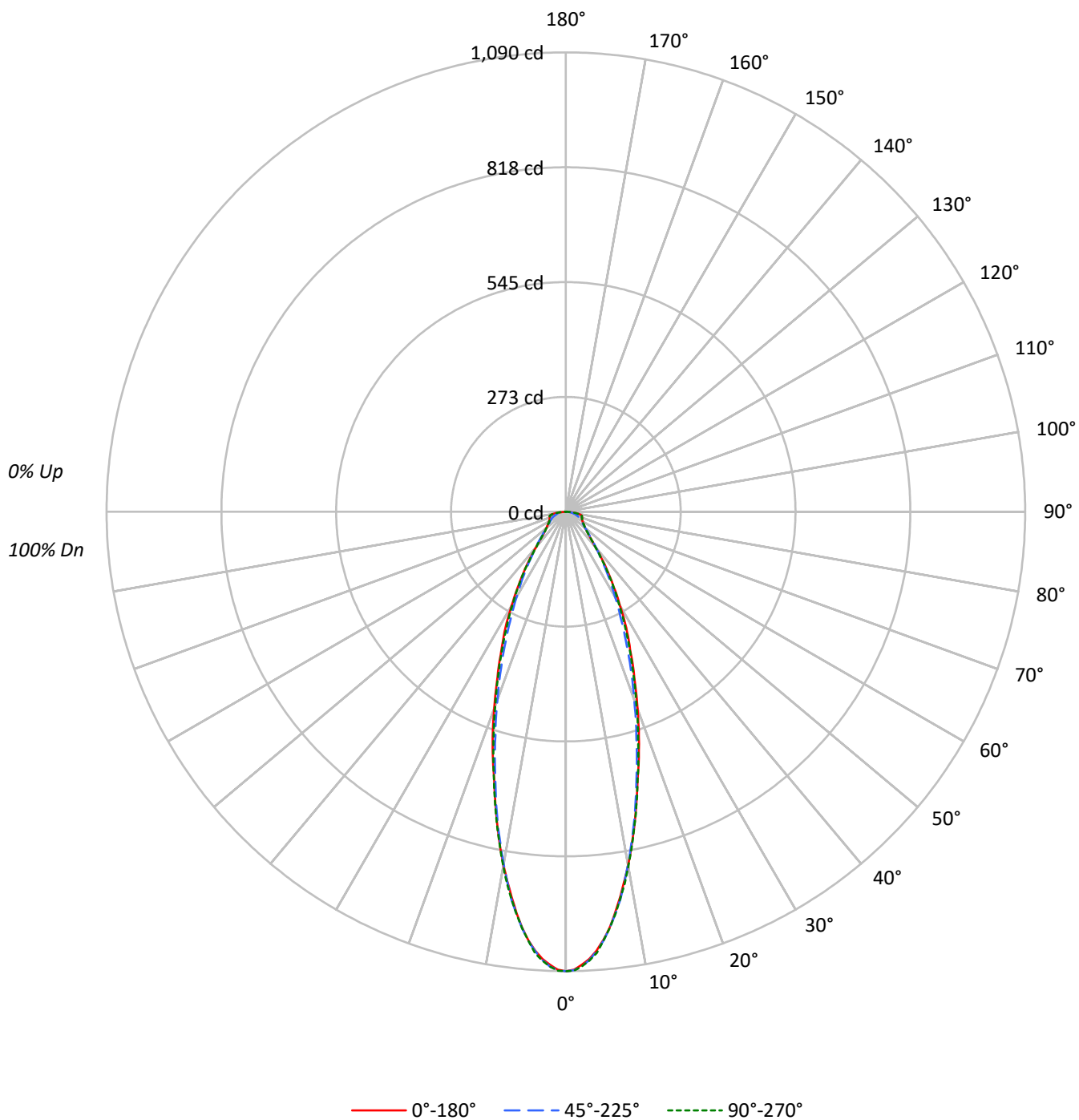
Lumens per Lamp: N/A
Luminaire Lumens: 730.9 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187792	187792	187792
5°	176373	176597	176597
10°	148980	148525	149452
15°	117177	115519	117409
20°	91070	86928	89842
25°	68733	63944	67726
30°	51108	46634	50054
35°	36499	33976	35931
40°	24730	25023	24416
45°	18389	19363	18389
50°	15969	15969	15969
55°	15523	14713	15523
60°	15982	14604	15500
65°	17279	15119	17279
70°	20696	15358	20696
75°	26417	15837	26417
80°	32828	17059	31539
85°	26084	15611	28850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 32828 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	12.6
10°-20°	181.8	24.9
20°-30°	160.7	22.0
30°-40°	105.6	14.4
40°-50°	61.7	8.4
50°-60°	45.4	6.2
60°-70°	38.7	5.3
70°-80°	31.9	4.4
80°-90°	13.2	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°	434.5	59.4
0°-40°	540.0	73.9
0°-60°	647.1	88.5
0°-90°	730.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	730.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1090	1090	1090	1090	1090	
5°	1020	1020	1022	1023	1022	92
15°	657	657	648	656	658	184
25°	362	350	336	346	356	167
35°	174	167	162	166	171	109
45°	76	77	80	77	76	61
55°	52	50	49	50	52	47
65°	42	38	37	38	42	42
75°	40	29	24	30	40	41
85°	13	15	8	13	15	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.4	1090.4	1090.4	1090.4	1090.4
1°	1086.5	1087.8	1087.8	1089.1	1089.1
2°	1075.9	1078.5	1079.8	1079.8	1079.8
3°	1062.6	1063.9	1065.3	1066.6	1066.6
4°	1044.1	1045.4	1045.4	1048.0	1049.4
5°	1020.2	1020.2	1021.5	1022.9	1021.5
6°	992.4	992.4	993.7	993.7	993.7
7°	959.3	960.6	961.9	963.2	961.9
8°	923.5	924.8	928.8	928.8	927.5
9°	887.7	889.0	889.0	893.0	893.0
10°	851.9	851.9	849.3	851.9	854.6
12.5°	755.2	753.9	749.9	753.9	756.5
15°	657.2	657.2	647.9	655.8	658.5
17.5°	577.7	565.8	556.5	564.4	571.1
20°	496.9	484.9	474.3	482.3	490.2
22.5°	424.0	414.7	401.5	409.4	418.7
25°	361.7	349.8	336.5	345.8	356.4
27.5°	310.0	294.1	280.9	291.5	300.8
30°	257.0	246.4	234.5	242.5	251.7
32.5°	212.0	204.0	194.8	201.4	209.3
35°	173.6	166.9	161.6	165.6	170.9
37.5°	139.1	136.5	133.8	135.1	135.1
40°	110.0	111.3	111.3	111.3	108.6
42.5°	90.1	91.4	94.1	91.4	90.1
45°	75.5	76.8	79.5	76.8	75.5
47.5°	66.2	67.6	68.9	66.2	66.2
50°	59.6	59.6	59.6	59.6	59.6
52.5°	55.6	54.3	54.3	54.3	55.6
55°	51.7	50.3	49.0	50.3	51.7
57.5°	47.7	46.4	45.0	46.4	47.7
60°	46.4	43.7	42.4	43.7	45.0
62.5°	43.7	41.1	39.7	41.1	43.7
65°	42.4	38.4	37.1	38.4	42.4
67.5°	41.1	35.8	33.1	35.8	41.1
70°	41.1	33.1	30.5	34.4	41.1
72.5°	39.7	31.8	26.5	31.8	39.7
75°	39.7	29.1	23.8	30.5	39.7
77.5°	37.1	26.5	19.9	27.8	37.1
80°	33.1	23.8	17.2	25.2	31.8
82.5°	23.8	19.9	13.2	19.9	23.8
85°	13.2	14.6	7.9	13.2	14.6
87.5°	1.3	4.0	2.6	7.9	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)