

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: P1312559

Luminaire Tested: P3SQAS17R209727DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209727DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

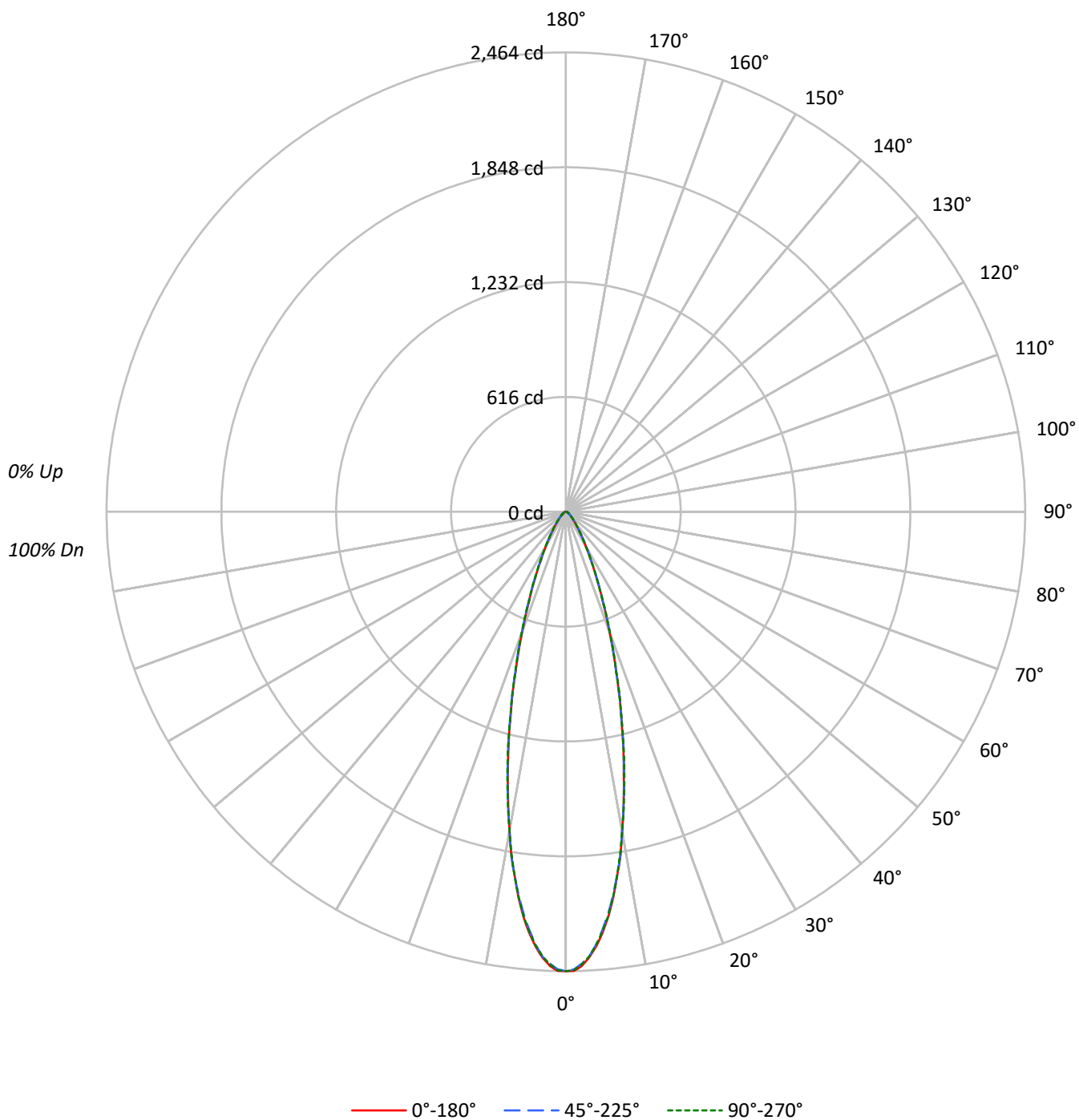
Lumens per Lamp: N/A
Luminaire Lumens: 866.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1312559

CATALOG NUMBER: P3SQAS17R209727DE010 E3SQPHL1MW

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	424408	424408	424408
5°	391540	389292	390606
10°	303836	304203	304203
15°	205364	206326	206326
20°	124719	126295	126900
25°	73160	74186	73977
30°	42677	43532	43750
35°	26070	26764	26764
40°	16974	17221	17446
45°	11813	12081	12348
50°	8681	8949	8949
55°	6786	7116	7116
60°	5959	5959	6303
65°	5257	5257	5705
70°	4884	4884	4884
75°	4325	4325	4325
80°	3174	3174	4265
85°	2174	2174	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12348 cd/sqm

TEST NUMBER: P1312559

CATALOG NUMBER: P3SQAS17R209727DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.7	22.9
10°-20°	318.2	36.7
20°-30°	184.3	21.3
30°-40°	82.6	9.5
40°-50°	39.2	4.5
50°-60°	21.5	2.5
60°-70°	13.0	1.5
70°-80°	7.0	0.8
80°-90°	1.5	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°	701.2	81.0
0°-40°	783.8	90.5
0°-60°	844.5	97.5
0°-90°	866.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2464	2464	2464	2464	2464	
5°	2265	2257	2252	2256	2259	199
15°	1152	1152	1157	1152	1157	317
25°	385	385	390	387	389	182
35°	124	125	127	128	127	81
45°	48	48	50	50	51	38
55°	23	23	24	24	24	21
65°	13	13	13	13	14	13
75°	6	6	6	6	6	7
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2464.3	2464.3	2464.3	2464.3	2464.3
1°	2463.2	2456.7	2454.6	2452.4	2458.9
2°	2438.4	2430.8	2426.5	2428.7	2429.8
3°	2394.2	2389.9	2389.9	2386.6	2388.8
4°	2337.0	2328.4	2328.4	2329.5	2329.5
5°	2264.8	2257.2	2251.8	2256.1	2259.4
6°	2183.9	2174.2	2169.8	2170.9	2178.5
7°	2084.6	2071.7	2073.9	2079.3	2079.3
8°	1972.5	1971.4	1973.6	1971.4	1973.6
9°	1869.0	1853.9	1866.8	1856.0	1861.4
10°	1737.4	1736.3	1739.5	1742.8	1739.5
12.5°	1437.6	1443.0	1445.1	1440.8	1450.5
15°	1151.8	1151.8	1157.2	1151.8	1157.2
17.5°	896.2	895.1	899.4	895.1	901.6
20°	680.5	688.1	689.1	689.1	692.4
22.5°	513.3	513.3	517.7	518.7	516.6
25°	385.0	385.0	390.4	387.2	389.3
27.5°	284.7	286.9	291.2	293.3	293.3
30°	214.6	215.7	218.9	220.0	220.0
32.5°	161.8	163.9	166.1	167.2	168.2
35°	124.0	125.1	127.3	128.3	127.3
37.5°	94.9	96.0	98.1	99.2	99.2
40°	75.5	75.5	76.6	77.6	77.6
42.5°	59.3	60.4	60.4	61.5	61.5
45°	48.5	48.5	49.6	49.6	50.7
47.5°	38.8	38.8	39.9	41.0	41.0
50°	32.4	32.4	33.4	33.4	33.4
52.5°	27.0	27.0	28.0	28.0	28.0
55°	22.6	22.6	23.7	23.7	23.7
57.5°	19.4	19.4	20.5	20.5	20.5
60°	17.3	17.3	17.3	17.3	18.3
62.5°	15.1	15.1	15.1	15.1	15.1
65°	12.9	12.9	12.9	12.9	14.0
67.5°	10.8	10.8	10.8	10.8	11.9
70°	9.7	9.7	9.7	9.7	9.7
72.5°	7.5	7.5	7.5	8.6	8.6
75°	6.5	6.5	6.5	6.5	6.5
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.2	3.2	3.2	4.3	4.3
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)