

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: P1309240

Luminaire Tested: P3SQAS17R159035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R159035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

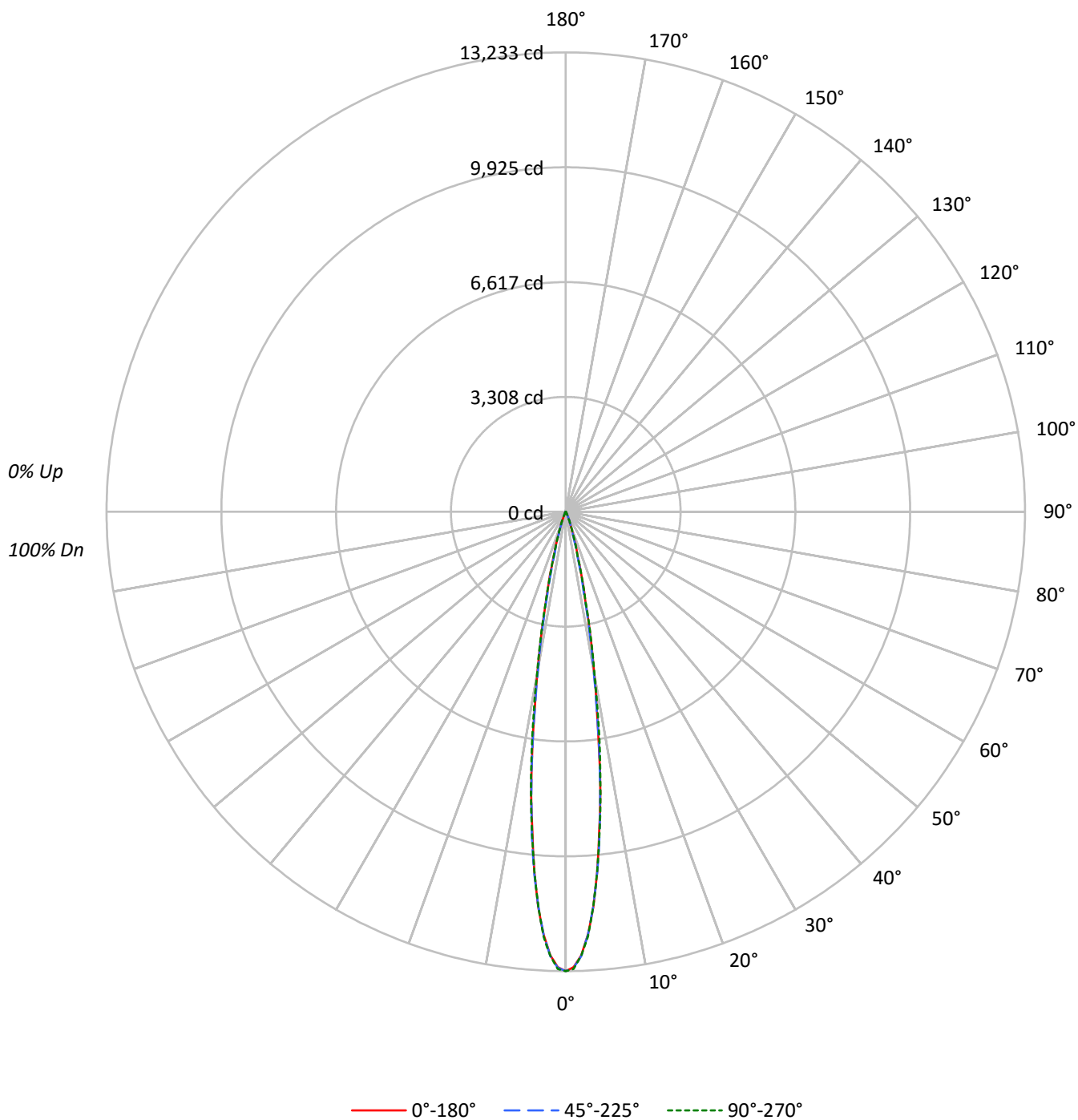
Lumens per Lamp: N/A
Luminaire Lumens: 1325.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2278971	2278971	2278971
5°	1797663	1802469	1796056
10°	822441	800878	839824
15°	244536	218308	239579
20°	72614	70433	76261
25°	20656	26699	23924
30°	7378	7915	7119
35°	2796	2502	2502
40°	1192	607	899
45°	658	317	658
50°	348	0	348
55°	390	0	390
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 688 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	799.5	60.3
10°-20°	443.9	33.5
20°-30°	70.7	5.3
30°-40°	9.3	0.7
40°-50°	1.4	0.1
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1314.1	99.2
0°-40°	1323.3	99.9
0°-60°	1325.0	100.0
0°-90°	1325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13233	13233	13233	13233	13233	
5°	10398	10485	10426	10382	10389	798
15°	1372	1354	1224	1301	1344	452
25°	109	122	140	140	126	66
35°	13	13	12	13	12	10
45°	3	2	1	1	3	2
55°	1	0	0	0	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	0

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	13232.7	13232.7	13232.7	13232.7	13232.7	13232.7	13232.7	13232.7	13232.7	13232.7	13232.7
1°	13118.8	13133.3	13151.9	13134.7	13118.8	13133.3	13113.5	13116.1	13100.2	13134.7	13173.1
2°	12784.8	12803.4	12792.8	12768.9	12806.0	12808.7	12767.6	12747.7	12745.1	12779.5	12792.8
3°	12193.8	12236.2	12237.6	12229.6	12217.7	12193.8	12151.4	12179.2	12140.8	12117.0	12252.1
4°	11408.0	11445.1	11488.9	11459.7	11372.2	11380.2	11408.0	11313.9	11319.2	11373.6	11377.5
5°	10398.3	10510.9	10516.2	10475.1	10406.2	10426.1	10406.2	10379.7	10389.0	10423.5	10389.0
6°	9209.6	9336.8	9242.8	9332.9	9313.0	9338.2	9344.8	9317.0	9336.8	9315.6	9309.0
7°	8182.7	8085.9	8099.2	8062.1	8101.8	8128.3	8144.2	8096.5	8135.0	8195.9	8213.1
8°	6909.2	6881.4	6853.6	6919.8	6901.3	6933.1	6952.9	7005.9	7003.3	7021.9	7082.8
9°	5696.7	5737.8	5763.0	5704.7	5755.0	5657.0	5691.4	5833.2	5796.1	5833.2	5941.9
10°	4702.9	4736.0	4698.9	4697.6	4644.6	4579.6	4575.7	4628.7	4740.0	4827.4	4802.3
12.5°	2594.6	2623.8	2627.7	2625.1	2529.7	2422.3	2442.2	2484.6	2553.5	2582.7	2630.4
15°	1371.5	1370.2	1384.8	1343.7	1293.3	1224.4	1229.7	1288.0	1339.7	1353.0	1343.7
17.5°	703.6	706.3	716.9	706.3	653.3	659.9	674.5	681.1	711.6	723.5	716.9
20°	396.2	397.5	396.2	400.2	379.0	384.3	402.8	404.2	410.8	417.4	416.1
22.5°	226.6	227.9	235.9	233.2	227.9	234.5	238.5	245.1	247.8	245.1	253.1
25°	108.7	110.0	110.0	125.9	133.8	140.5	143.1	140.5	137.8	127.2	125.9
27.5°	62.3	62.3	64.9	66.3	68.9	80.8	79.5	66.3	55.7	55.7	57.0
30°	37.1	35.8	35.8	37.1	38.4	39.8	37.1	35.8	35.8	37.1	35.8
32.5°	22.5	22.5	22.5	21.2	21.2	19.9	19.9	22.5	22.5	22.5	22.5
35°	13.3	13.3	13.3	13.3	11.9	11.9	11.9	13.3	13.3	11.9	11.9
37.5°	8.0	8.0	8.0	6.6	6.6	5.3	6.6	6.6	6.6	6.6	6.6
40°	5.3	5.3	4.0	4.0	2.7	2.7	2.7	4.0	4.0	4.0	4.0
42.5°	4.0	4.0	2.7	2.7	1.3	1.3	1.3	2.7	2.7	2.7	2.7
45°	2.7	2.7	2.7	1.3	1.3	1.3	1.3	1.3	1.3	2.7	2.7
47.5°	2.7	2.7	1.3	1.3	0.0	0.0	0.0	1.3	1.3	1.3	1.3
50°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
52.5°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
55°	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)