

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: P1308190

Luminaire Tested: P3SQAS17R359030DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359030DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

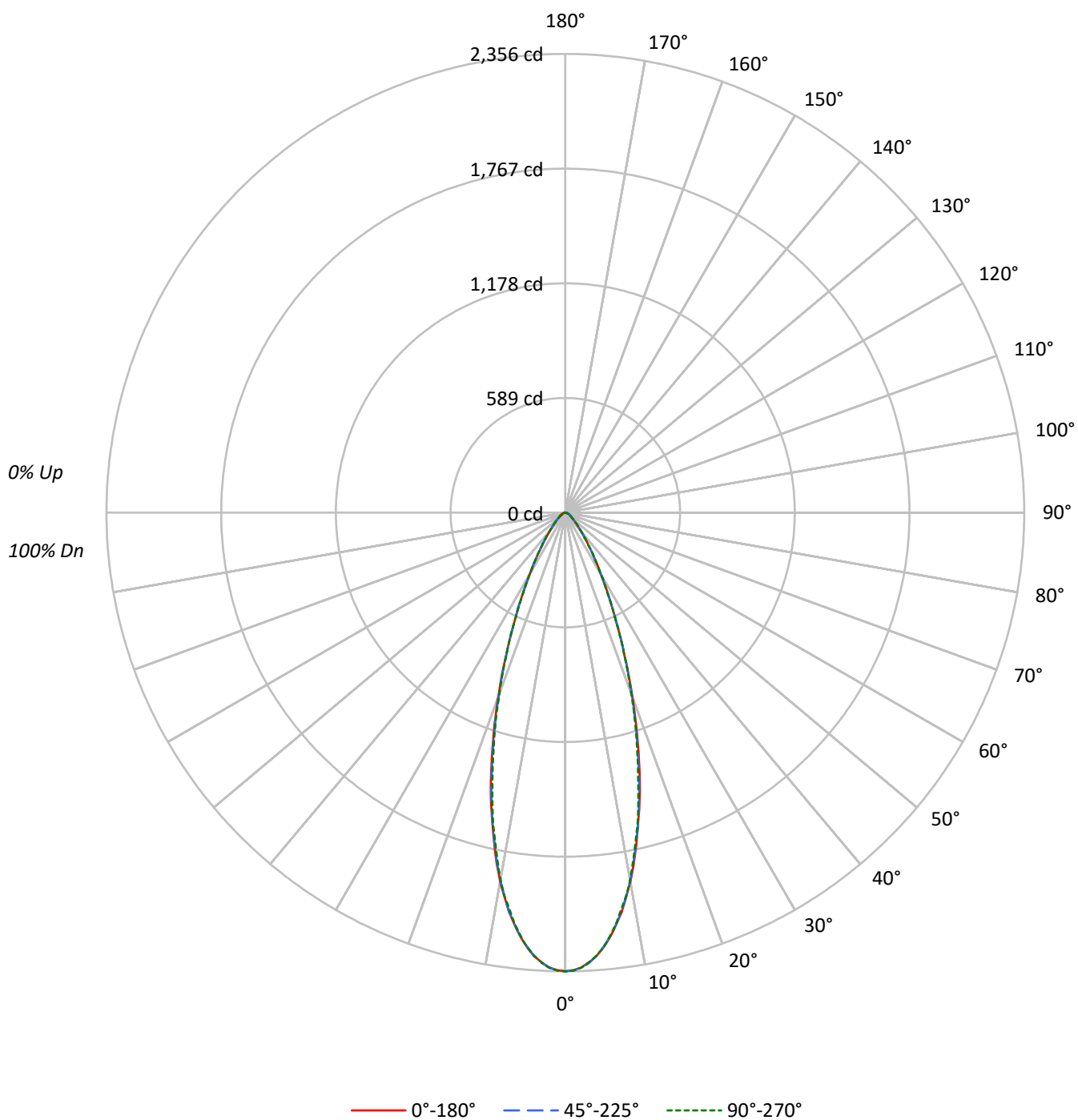
Lumens per Lamp: N/A
Luminaire Lumens: 1162.1 lumens
Efficiency: N/A
Efficacy: 54.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	405791	405791	405791
5°	387754	387079	387754
10°	336625	335489	335034
15°	263774	261706	257569
20°	184522	182872	181699
25°	117189	117931	117189
30°	72208	72725	72208
35°	44656	44929	44929
40°	28372	28665	28665
45°	19119	19436	19753
50°	13798	14147	14147
55°	10839	10839	10839
60°	8887	8887	8887
65°	7865	7865	7865
70°	7150	7150	7150
75°	5989	5989	5989
80°	5157	5157	5157
85°	2569	2569	5138

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 19753 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.6	17.5
10°-20°	400.9	34.5
20°-30°	289.3	24.9
30°-40°	139.5	12.0
40°-50°	64.3	5.5
50°-60°	33.3	2.9
60°-70°	19.2	1.7
70°-80°	9.7	0.8
80°-90°	2.3	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°	893.8	76.9
0°-40°	1033.3	88.9
0°-60°	1130.8	97.3
0°-90°	1162.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1162.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2356	2356	2356	2356	2356	
5°	2243	2248	2239	2240	2243	204
15°	1479	1477	1468	1461	1445	403
25°	617	618	621	621	617	289
35°	212	212	214	214	214	139
45°	78	80	80	81	81	64
55°	36	36	36	36	36	33
65°	19	19	19	19	19	19
75°	9	9	9	9	9	10
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2356.2	2356.2	2356.2	2356.2	2356.2
1°	2349.7	2353.6	2352.3	2353.6	2352.3
2°	2338.2	2340.7	2338.2	2339.4	2339.4
3°	2313.7	2316.3	2316.3	2315.0	2313.7
4°	2284.1	2290.5	2284.1	2285.4	2281.5
5°	2242.9	2248.0	2239.0	2240.3	2242.9
6°	2192.7	2194.0	2191.4	2190.1	2187.5
7°	2134.7	2139.9	2130.9	2132.1	2129.6
8°	2072.9	2071.6	2071.6	2066.5	2058.8
9°	1998.2	2003.4	1995.7	1993.1	1994.4
10°	1924.9	1924.9	1918.4	1912.0	1915.8
11°	1841.2	1838.6	1834.7	1825.7	1823.1
12°	1749.8	1754.9	1743.3	1739.5	1730.4
13°	1655.8	1663.5	1658.3	1644.2	1645.5
14°	1568.2	1563.1	1559.2	1556.6	1547.6
15°	1479.4	1476.8	1467.8	1461.3	1444.6
17.5°	1236.0	1238.6	1221.9	1219.3	1212.9
20°	1006.8	999.1	997.8	999.1	991.4
22.5°	794.4	802.1	793.1	794.4	789.3
25°	616.7	618.0	620.6	620.6	616.7
27.5°	479.0	479.0	476.4	479.0	475.1
30°	363.1	363.1	365.7	368.2	363.1
32.5°	280.7	280.7	280.7	282.0	283.3
35°	212.4	212.4	213.7	213.7	213.7
37.5°	163.5	164.8	166.1	166.1	166.1
40°	126.2	127.5	127.5	128.8	127.5
42.5°	100.4	100.4	100.4	101.7	101.7
45°	78.5	79.8	79.8	81.1	81.1
47.5°	64.4	64.4	64.4	65.7	65.7
50°	51.5	52.8	52.8	52.8	52.8
52.5°	42.5	42.5	43.8	43.8	43.8
55°	36.1	36.1	36.1	36.1	36.1
57.5°	29.6	30.9	30.9	30.9	30.9
60°	25.8	25.8	25.8	25.8	25.8
62.5°	21.9	21.9	21.9	21.9	21.9
65°	19.3	19.3	19.3	19.3	19.3
67.5°	15.5	16.7	16.7	16.7	16.7
70°	14.2	14.2	14.2	14.2	14.2
72.5°	10.3	11.6	11.6	11.6	11.6
75°	9.0	9.0	9.0	9.0	9.0
77.5°	7.7	6.4	6.4	6.4	7.7
80°	5.2	5.2	5.2	5.2	5.2
82.5°	3.9	3.9	3.9	3.9	3.9
85°	1.3	1.3	1.3	1.3	2.6
87.5°	0.0	0.0	0.0	1.3	1.3



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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)