

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: P1317076

Luminaire Tested: P3SQAS13R159830DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317076
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159830DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

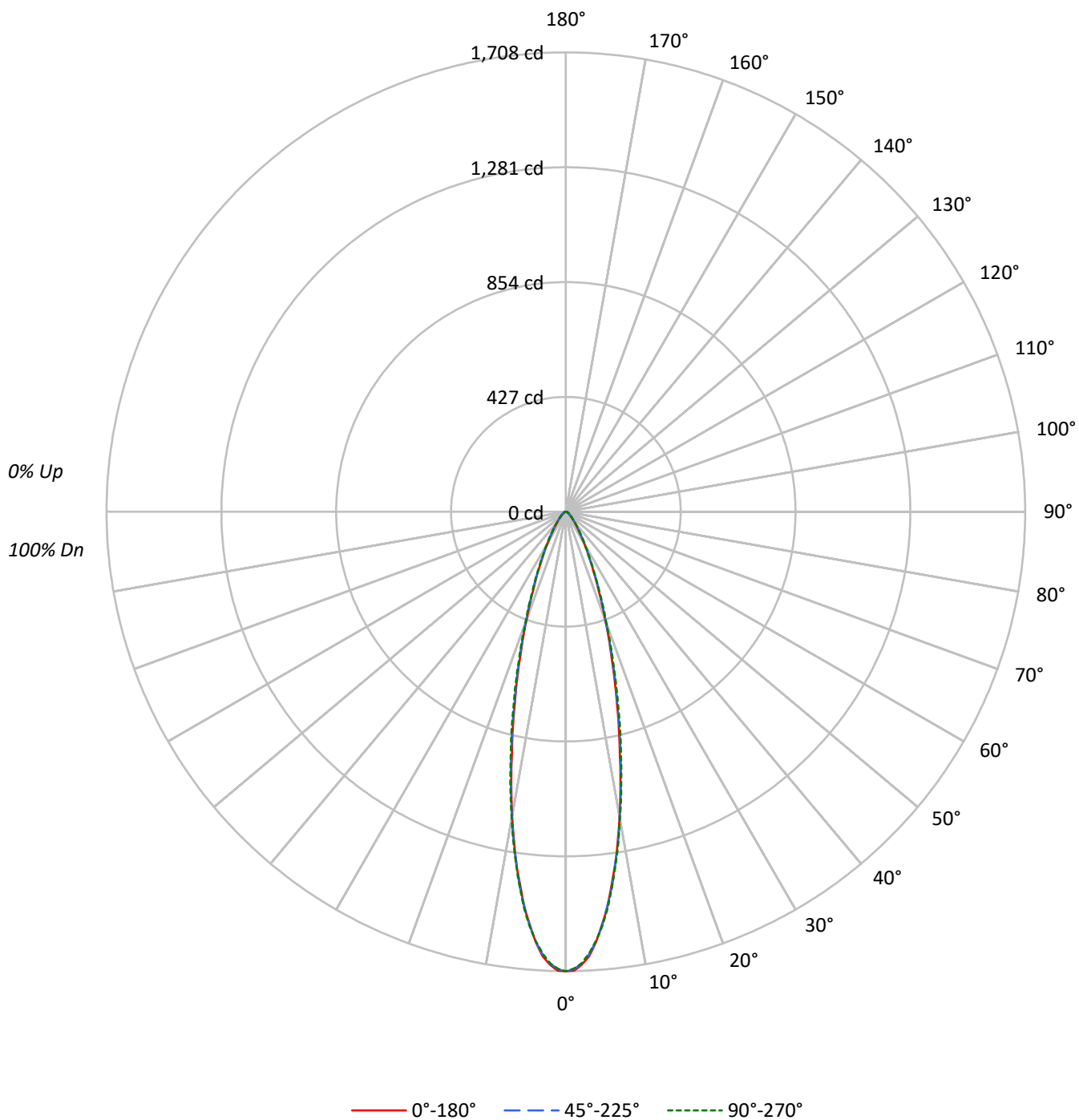
Lumens per Lamp: N/A
Luminaire Lumens: 565.0 lumens
Efficiency: N/A
Efficacy: 39.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1317076

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317076

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHL1MB

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		97	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	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	294242	294242	294242
5°	266530	267031	267394
10°	201216	201723	202738
15°	130514	131941	134526
20°	78589	79505	80568
25°	45910	46880	47564
30°	26986	27841	28279
35°	16630	17240	17534
40°	10926	11264	11421
45°	7599	7770	7940
50°	5627	5841	6028
55°	4564	4804	4804
60°	3996	3996	3996
65°	3545	3545	3545
70°	2921	3273	3273
75°	2928	2928	2928
80°	2182	2876	2876
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7940 cd/sqm

TEST NUMBER: P1317076

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.6	23.8
10°-20°	205.8	36.4
20°-30°	117.0	20.7
30°-40°	53.4	9.4
40°-50°	25.6	4.5
50°-60°	14.3	2.5
60°-70°	8.8	1.6
70°-80°	4.7	0.8
80°-90°	1.0	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°	457.3	80.9
0°-40°	510.7	90.4
0°-60°	550.6	97.4
0°-90°	565.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	565.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1708	1708	1708	1708	1708	
5°	1542	1541	1545	1545	1547	134
15°	732	736	740	750	754	203
25°	242	242	247	249	250	115
35°	79	80	82	83	83	52
45°	31	31	32	33	33	25
55°	15	15	16	16	16	14
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1317076

CATALOG NUMBER: P3SQAS13R159830DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1708.5	1708.5	1708.5	1708.5	1708.5
1°	1707.1	1702.7	1701.3	1700.5	1699.1
2°	1685.3	1681.7	1681.0	1681.0	1680.2
3°	1654.8	1648.3	1649.0	1646.9	1644.7
4°	1603.3	1600.4	1601.9	1603.3	1600.4
5°	1541.7	1540.9	1544.6	1544.6	1546.7
6°	1477.8	1477.1	1474.9	1480.7	1483.6
7°	1396.6	1400.9	1406.7	1403.8	1406.0
8°	1322.6	1317.5	1319.7	1326.9	1327.6
9°	1235.5	1231.9	1241.3	1244.2	1244.9
10°	1150.6	1154.3	1153.5	1163.7	1159.3
12.5°	929.3	935.2	941.7	946.0	950.4
15°	732.0	735.6	740.0	750.2	754.5
17.5°	563.0	567.3	571.7	580.4	581.8
20°	428.8	430.9	433.8	441.8	439.6
22.5°	320.7	324.3	327.2	330.8	333.0
25°	241.6	241.6	246.7	248.8	250.3
27.5°	179.9	181.4	185.0	187.9	187.2
30°	135.7	137.8	140.0	141.5	142.2
32.5°	104.5	104.5	106.6	108.8	109.5
35°	79.1	80.5	82.0	83.4	83.4
37.5°	61.7	62.4	63.8	64.6	64.6
40°	48.6	48.6	50.1	50.8	50.8
42.5°	38.5	39.2	39.9	40.6	40.6
45°	31.2	31.2	31.9	32.6	32.6
47.5°	25.4	25.4	26.1	26.8	26.8
50°	21.0	21.8	21.8	22.5	22.5
52.5°	18.1	18.1	18.1	18.9	18.9
55°	15.2	15.2	16.0	16.0	16.0
57.5°	13.1	13.1	13.1	13.8	13.8
60°	11.6	11.6	11.6	11.6	11.6
62.5°	10.2	10.2	10.2	10.2	10.2
65°	8.7	8.7	8.7	8.7	8.7
67.5°	7.3	7.3	7.3	8.0	8.0
70°	5.8	6.5	6.5	6.5	6.5
72.5°	5.1	5.1	5.1	5.1	5.1
75°	4.4	4.4	4.4	4.4	4.4
77.5°	3.6	3.6	3.6	3.6	3.6
80°	2.2	2.9	2.9	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)