

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: P1317270

Luminaire Tested: P3SQAS17R309830DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309830DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

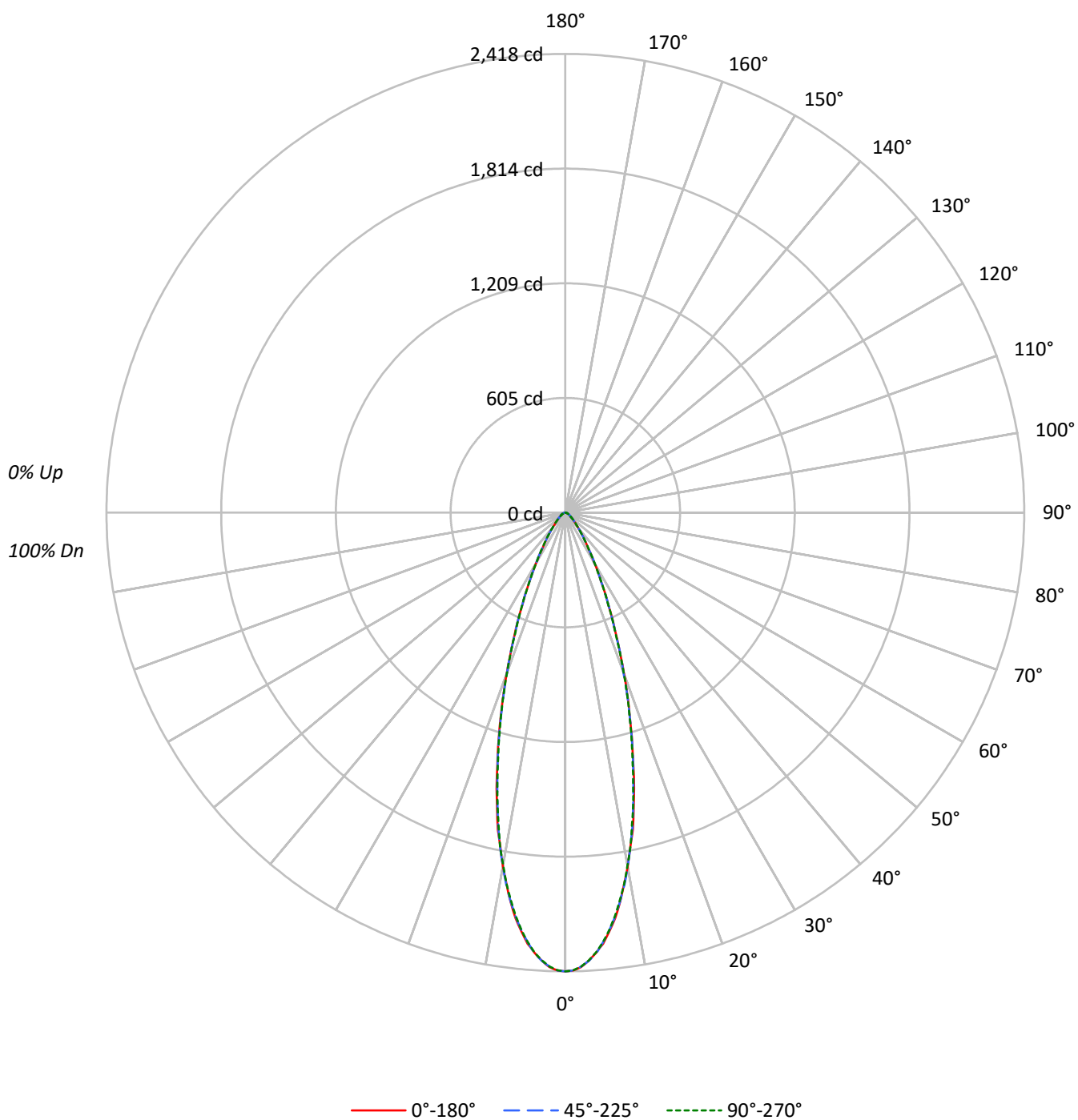
Lumens per Lamp: N/A
Luminaire Lumens: 1062.0 lumens
Efficiency: N/A
Efficacy: 52.1 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	109	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	416469	416469	416469
5°	394289	393269	393078
10°	331239	331239	330015
15°	246800	246158	244696
20°	165168	164306	164526
25°	101816	101588	102044
30°	61231	61231	61449
35°	37550	37550	37802
40°	23786	23786	24303
45°	16318	16611	16611
50°	11977	11977	11977
55°	9188	9518	9518
60°	7681	7681	8094
65°	6724	6724	6724
70°	5942	6496	6496
75°	5456	5456	5456
80°	4661	4661	4661
85°	2371	2371	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 16611 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.0	19.3
10°-20°	378.5	35.6
20°-30°	251.6	23.7
30°-40°	116.3	11.0
40°-50°	54.0	5.1
50°-60°	28.8	2.7
60°-70°	16.9	1.6
70°-80°	8.9	0.8
80°-90°	1.9	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°	835.1	78.6
0°-40°	951.4	89.6
0°-60°	1034.3	97.4
0°-90°	1062.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1062.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2418	2418	2418	2418	2418	
5°	2281	2276	2275	2281	2274	205
15°	1384	1389	1381	1381	1372	380
25°	536	535	535	535	537	252
35°	179	177	179	180	180	116
45°	67	67	68	68	68	54
55°	31	32	32	32	32	28
65°	16	16	16	16	16	16
75°	8	8	8	8	8	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2418.2	2418.2	2418.2	2418.2	2418.2
1°	2413.5	2411.1	2413.5	2417.0	2412.3
2°	2397.0	2394.7	2394.7	2399.4	2394.7
3°	2365.3	2367.7	2366.5	2371.2	2363.0
4°	2325.4	2324.2	2328.9	2331.2	2324.2
5°	2280.7	2276.0	2274.8	2280.7	2273.7
6°	2219.6	2216.1	2213.7	2220.8	2211.4
7°	2153.8	2151.4	2147.9	2150.3	2143.2
8°	2072.7	2071.5	2069.2	2071.5	2063.3
9°	1982.2	1982.2	1986.9	1985.8	1981.1
10°	1894.1	1896.5	1894.1	1896.5	1887.1
11°	1795.4	1795.4	1797.8	1796.6	1797.8
12°	1709.6	1700.2	1697.9	1695.5	1688.5
13°	1599.2	1592.1	1589.8	1592.1	1588.6
14°	1498.1	1493.4	1481.7	1484.0	1479.3
15°	1384.2	1388.9	1380.6	1380.6	1372.4
17.5°	1131.5	1126.8	1129.2	1130.4	1126.8
20°	901.2	898.9	896.5	894.2	897.7
22.5°	700.3	701.5	699.1	696.8	694.4
25°	535.8	534.6	534.6	534.6	537.0
27.5°	406.6	406.6	406.6	407.7	407.7
30°	307.9	305.5	307.9	309.0	309.0
32.5°	230.3	232.7	233.8	233.8	233.8
35°	178.6	177.4	178.6	179.8	179.8
37.5°	136.3	136.3	137.5	137.5	138.7
40°	105.8	105.8	105.8	106.9	108.1
42.5°	83.4	83.4	84.6	84.6	85.8
45°	67.0	67.0	68.2	68.2	68.2
47.5°	54.1	54.1	55.2	55.2	55.2
50°	44.7	44.7	44.7	44.7	44.7
52.5°	37.6	36.4	37.6	37.6	37.6
55°	30.6	31.7	31.7	31.7	31.7
57.5°	25.9	27.0	27.0	27.0	27.0
60°	22.3	22.3	22.3	23.5	23.5
62.5°	18.8	20.0	20.0	20.0	20.0
65°	16.5	16.5	16.5	16.5	16.5
67.5°	14.1	14.1	14.1	14.1	15.3
70°	11.8	11.8	12.9	12.9	12.9
72.5°	10.6	10.6	10.6	10.6	10.6
75°	8.2	8.2	8.2	8.2	8.2
77.5°	5.9	5.9	7.1	7.1	5.9
80°	4.7	4.7	4.7	4.7	4.7
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.2	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0



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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)