

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: P1317238

Luminaire Tested: P3SQAS17R209830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317238
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: P3SQAS17R209830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

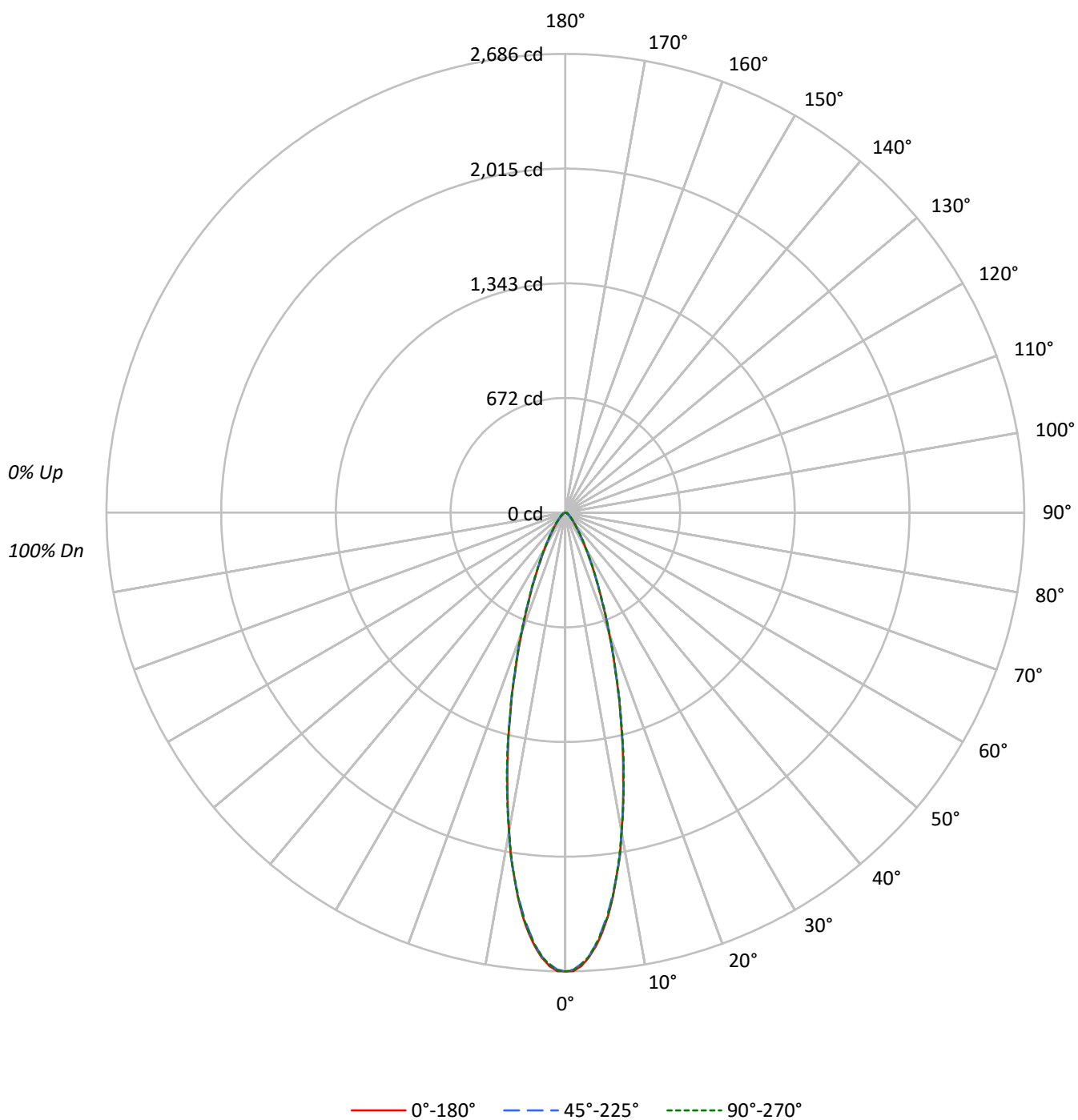
Lumens per Lamp: N/A
Luminaire Lumens: 944.1 lumens
Efficiency: N/A
Efficacy: 46.3 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	462624	462624	462624
5°	426790	424352	425787
10°	331204	331606	331606
15°	223853	224905	224905
20°	135954	137677	138318
25°	79754	80875	80647
30°	46515	47449	47688
35°	28425	29161	29161
40°	18503	18773	19020
45°	12884	13177	13469
50°	9458	9753	9753
55°	7416	7777	7777
60°	6476	6476	6889
65°	5746	5746	6235
70°	5338	5338	5338
75°	4724	4724	4724
80°	3471	3471	4661
85°	2371	2371	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13469 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.6	22.9
10°-20°	346.9	36.7
20°-30°	200.9	21.3
30°-40°	90.1	9.5
40°-50°	42.7	4.5
50°-60°	23.4	2.5
60°-70°	14.2	1.5
70°-80°	7.6	0.8
80°-90°	1.7	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°	764.4	81.0
0°-40°	854.4	90.5
0°-60°	920.5	97.5
0°-90°	944.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2686	2686	2686	2686	2686	
5°	2469	2460	2455	2459	2463	217
15°	1256	1256	1261	1256	1261	346
25°	420	420	426	422	424	199
35°	135	136	139	140	139	88
45°	53	53	54	54	55	42
55°	25	25	26	26	26	23
65°	14	14	14	14	15	14
75°	7	7	7	7	7	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°	2686.2	2686.2	2686.2	2686.2	2686.2
1°	2685.0	2678.0	2675.6	2673.3	2680.3
2°	2658.0	2649.8	2645.1	2647.4	2648.6
3°	2609.8	2605.1	2605.1	2601.6	2603.9
4°	2547.5	2538.1	2538.1	2539.3	2539.3
5°	2468.7	2460.5	2454.6	2459.3	2462.9
6°	2380.6	2370.0	2365.3	2366.5	2374.7
7°	2272.4	2258.3	2260.7	2266.5	2266.5
8°	2150.2	2149.0	2151.3	2149.0	2151.3
9°	2037.3	2020.8	2034.9	2023.2	2029.1
10°	1893.9	1892.7	1896.2	1899.8	1896.2
12.5°	1567.1	1572.9	1575.3	1570.6	1581.2
15°	1255.5	1255.5	1261.4	1255.5	1261.4
17.5°	976.9	975.7	980.4	975.7	982.8
20°	741.8	750.0	751.2	751.2	754.7
22.5°	559.6	559.6	564.3	565.5	563.1
25°	419.7	419.7	425.6	422.0	424.4
27.5°	310.4	312.7	317.4	319.8	319.8
30°	233.9	235.1	238.6	239.8	239.8
32.5°	176.3	178.7	181.0	182.2	183.4
35°	135.2	136.4	138.7	139.9	138.7
37.5°	103.5	104.6	107.0	108.2	108.2
40°	82.3	82.3	83.5	84.6	84.6
42.5°	64.7	65.8	65.8	67.0	67.0
45°	52.9	52.9	54.1	54.1	55.3
47.5°	42.3	42.3	43.5	44.7	44.7
50°	35.3	35.3	36.4	36.4	36.4
52.5°	29.4	29.4	30.6	30.6	30.6
55°	24.7	24.7	25.9	25.9	25.9
57.5°	21.2	21.2	22.3	22.3	22.3
60°	18.8	18.8	18.8	18.8	20.0
62.5°	16.5	16.5	16.5	16.5	16.5
65°	14.1	14.1	14.1	14.1	15.3
67.5°	11.8	11.8	11.8	11.8	12.9
70°	10.6	10.6	10.6	10.6	10.6
72.5°	8.2	8.2	8.2	9.4	9.4
75°	7.1	7.1	7.1	7.1	7.1
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.5	3.5	3.5	4.7	4.7
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)