

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: P1313690

Luminaire Tested: P3SQAS20R209730D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313690
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209730D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

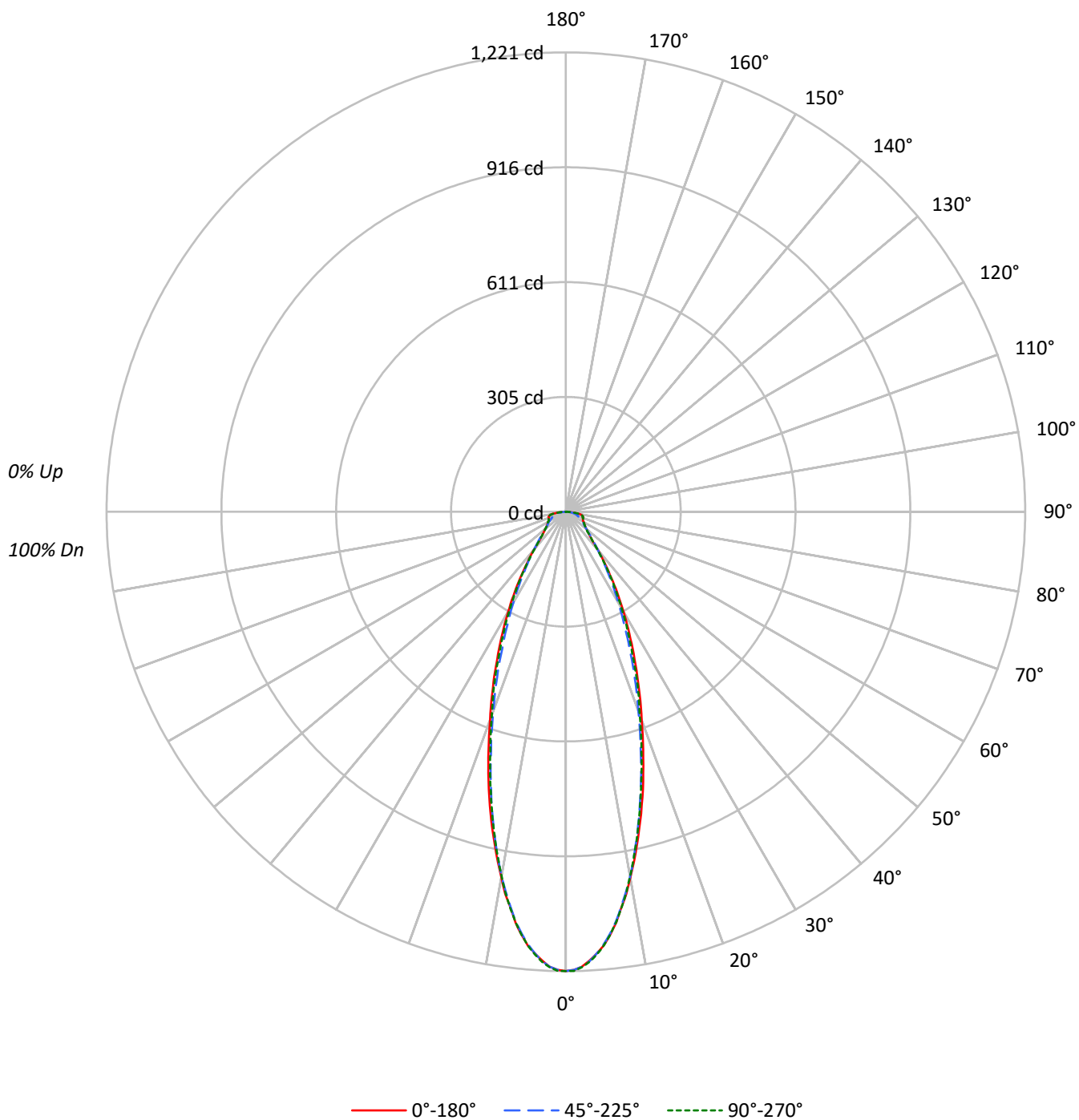
Lumens per Lamp: N/A
Luminaire Lumens: 861.0 lumens
Efficiency: N/A
Efficacy: 29.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	210267	210267	210267
5°	200075	199539	200075
10°	172711	172186	171924
15°	140178	136933	137468
20°	107986	103276	105218
25°	82035	75992	79735
30°	60853	55424	59043
35°	42995	40136	42364
40°	29631	29631	28957
45°	21774	22870	21774
50°	19077	19077	19077
55°	18196	17745	18196
60°	18772	17222	18772
65°	20376	17279	20376
70°	24422	17523	24422
75°	31275	19164	31275
80°	39077	19538	37589
85°	29838	17982	33000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39077 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	12.2
10°-20°	213.9	24.8
20°-30°	191.0	22.2
30°-40°	125.3	14.6
40°-50°	72.9	8.5
50°-60°	54.1	6.3
60°-70°	45.7	5.3
70°-80°	37.7	4.4
80°-90°	15.7	1.8
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°	509.6	59.2
0°-40°	634.9	73.7
0°-60°	761.8	88.5
0°-90°	861.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	861.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1221	1221	1221	1221	1221	
5°	1157	1156	1154	1156	1157	105
15°	786	779	768	770	771	217
25°	432	420	400	410	420	199
35°	204	198	191	197	202	130
45°	89	91	94	91	89	72
55°	61	59	59	59	61	55
65°	50	45	42	45	50	50
75°	47	35	29	35	47	48
85°	15	17	9	17	17	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1220.9	1220.9	1220.9	1220.9	1220.9
1°	1217.9	1219.4	1217.9	1219.4	1220.9
2°	1210.3	1211.8	1210.3	1210.3	1211.8
3°	1195.1	1196.7	1196.7	1196.7	1198.2
4°	1177.0	1178.5	1177.0	1178.5	1180.0
5°	1157.3	1155.8	1154.2	1155.8	1157.3
6°	1130.0	1128.5	1127.0	1128.5	1130.0
7°	1099.7	1098.2	1096.7	1096.7	1098.2
8°	1061.8	1063.4	1058.8	1061.8	1063.4
9°	1028.5	1025.5	1022.5	1022.5	1025.5
10°	987.6	984.6	984.6	983.1	983.1
12.5°	887.6	881.6	877.0	877.0	878.6
15°	786.2	778.6	768.0	769.5	771.0
17.5°	684.7	675.6	661.9	665.0	668.0
20°	589.2	580.2	563.5	569.5	574.1
22.5°	507.4	493.8	478.7	483.2	498.4
25°	431.7	419.6	399.9	410.5	419.6
27.5°	365.1	351.4	334.8	345.4	354.5
30°	306.0	293.9	278.7	287.8	296.9
32.5°	253.0	242.4	231.8	237.8	245.4
35°	204.5	198.4	190.9	196.9	201.5
37.5°	165.1	162.1	159.0	162.1	160.6
40°	131.8	133.3	131.8	131.8	128.8
42.5°	104.5	109.1	110.6	107.5	104.5
45°	89.4	90.9	93.9	90.9	89.4
47.5°	78.8	78.8	80.3	78.8	77.3
50°	71.2	71.2	71.2	71.2	71.2
52.5°	65.1	65.1	63.6	65.1	65.1
55°	60.6	59.1	59.1	59.1	60.6
57.5°	57.6	56.0	54.5	56.0	57.6
60°	54.5	51.5	50.0	51.5	54.5
62.5°	51.5	48.5	47.0	48.5	51.5
65°	50.0	45.4	42.4	45.4	50.0
67.5°	48.5	42.4	39.4	42.4	50.0
70°	48.5	39.4	34.8	40.9	48.5
72.5°	47.0	37.9	31.8	37.9	47.0
75°	47.0	34.8	28.8	34.8	47.0
77.5°	43.9	31.8	24.2	31.8	43.9
80°	39.4	28.8	19.7	28.8	37.9
82.5°	28.8	24.2	15.1	24.2	28.8
85°	15.1	16.7	9.1	16.7	16.7
87.5°	1.5	6.1	3.0	9.1	7.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)