

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: P1309259

Luminaire Tested: P3SQAS17R209035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309259
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: P3SQAS17R209035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

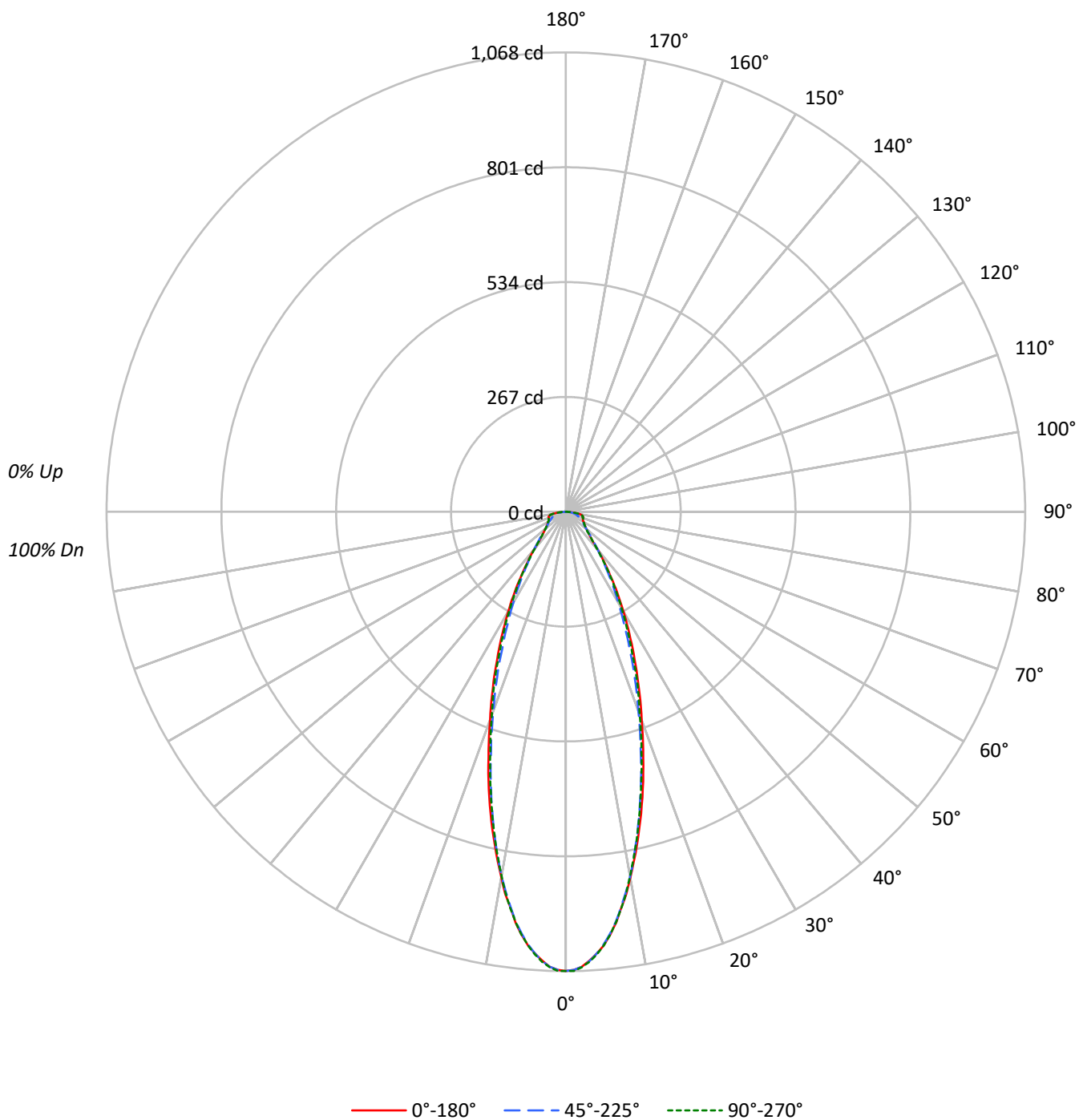
Lumens per Lamp: N/A
Luminaire Lumens: 753.0 lumens
Efficiency: N/A
Efficacy: 35.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	183882	183882	183882
5°	174972	174523	174972
10°	151043	150589	150361
15°	122580	119745	120226
20°	94442	90318	92023
25°	71754	66452	69740
30°	53216	48483	51645
35°	37592	35090	37045
40°	25922	25922	25315
45°	19046	19996	19046
50°	16692	16692	16692
55°	15914	15523	15914
60°	16430	15052	16430
65°	17808	15119	17808
70°	21350	15358	21350
75°	27349	16769	27349
80°	34118	17059	32828
85°	26084	15611	28850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 34118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	12.2
10°-20°	187.0	24.8
20°-30°	167.0	22.2
30°-40°	109.6	14.6
40°-50°	63.7	8.5
50°-60°	47.3	6.3
60°-70°	40.0	5.3
70°-80°	33.0	4.4
80°-90°	13.8	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°	445.7	59.2
0°-40°	555.2	73.7
0°-60°	666.3	88.5
0°-90°	753.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	753.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1068	1068	1068	1068	1068	
5°	1012	1011	1010	1011	1012	92
15°	688	681	672	673	674	190
25°	378	367	350	359	367	174
35°	179	174	167	172	176	114
45°	78	80	82	80	78	63
55°	53	52	52	52	53	48
65°	44	40	37	40	44	44
75°	41	30	25	30	41	42
85°	13	15	8	15	15	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1067.7	1067.7	1067.7	1067.7	1067.7
1°	1065.1	1066.4	1065.1	1066.4	1067.7
2°	1058.5	1059.8	1058.5	1058.5	1059.8
3°	1045.2	1046.6	1046.6	1046.6	1047.9
4°	1029.3	1030.7	1029.3	1030.7	1032.0
5°	1012.1	1010.8	1009.5	1010.8	1012.1
6°	988.3	986.9	985.6	986.9	988.3
7°	961.8	960.4	959.1	959.1	960.4
8°	928.7	930.0	926.0	928.7	930.0
9°	899.5	896.9	894.2	894.2	896.9
10°	863.7	861.1	861.1	859.8	859.8
12.5°	776.3	771.0	767.0	767.0	768.4
15°	687.5	680.9	671.6	673.0	674.3
17.5°	598.8	590.8	578.9	581.6	584.2
20°	515.3	507.4	492.8	498.1	502.1
22.5°	443.8	431.9	418.6	422.6	435.8
25°	377.6	367.0	349.7	359.0	367.0
27.5°	319.3	307.3	292.8	302.0	310.0
30°	267.6	257.0	243.8	251.7	259.7
32.5°	221.2	212.0	202.7	208.0	214.6
35°	178.8	173.5	166.9	172.2	176.2
37.5°	144.4	141.7	139.1	141.7	140.4
40°	115.3	116.6	115.3	115.3	112.6
42.5°	91.4	95.4	96.7	94.1	91.4
45°	78.2	79.5	82.1	79.5	78.2
47.5°	68.9	68.9	70.2	68.9	67.6
50°	62.3	62.3	62.3	62.3	62.3
52.5°	57.0	57.0	55.6	57.0	57.0
55°	53.0	51.7	51.7	51.7	53.0
57.5°	50.3	49.0	47.7	49.0	50.3
60°	47.7	45.0	43.7	45.0	47.7
62.5°	45.0	42.4	41.1	42.4	45.0
65°	43.7	39.7	37.1	39.7	43.7
67.5°	42.4	37.1	34.4	37.1	43.7
70°	42.4	34.4	30.5	35.8	42.4
72.5°	41.1	33.1	27.8	33.1	41.1
75°	41.1	30.5	25.2	30.5	41.1
77.5°	38.4	27.8	21.2	27.8	38.4
80°	34.4	25.2	17.2	25.2	33.1
82.5°	25.2	21.2	13.2	21.2	25.2
85°	13.2	14.6	7.9	14.6	14.6
87.5°	1.3	5.3	2.6	7.9	6.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)