

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: P1306049

Luminaire Tested: P3SQAS17R209024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306049
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: P3SQAS17R209024DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

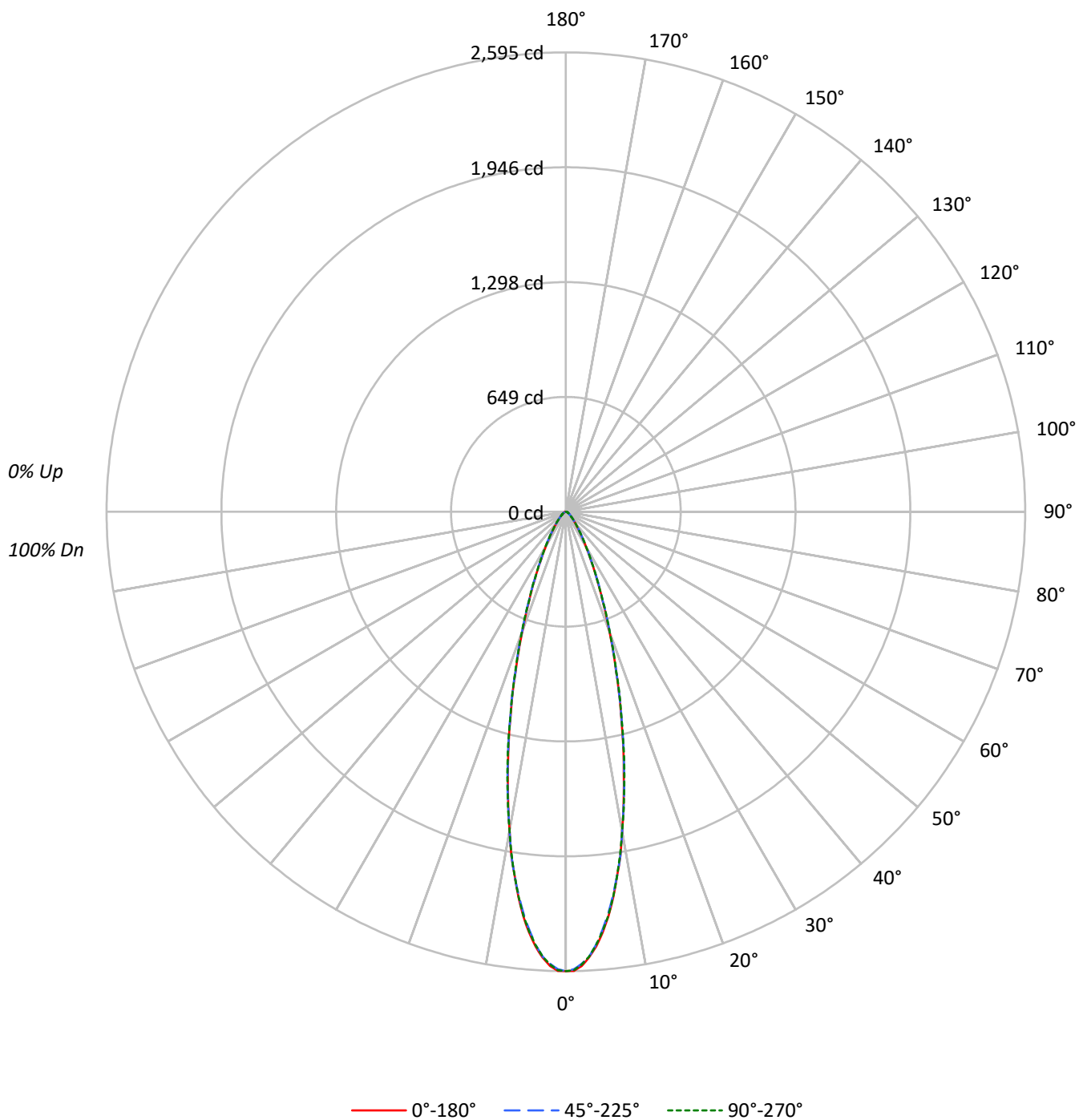
Lumens per Lamp: N/A
Luminaire Lumens: 912.0 lumens
Efficiency: N/A
Efficacy: 43.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	446952	446952	446952
5°	412320	409969	411352
10°	319977	320362	320362
15°	216275	217274	217274
20°	131354	133003	133626
25°	77056	78120	77911
30°	44944	45858	46077
35°	27458	28173	28173
40°	17873	18121	18390
45°	12446	12714	13006
50°	9136	9431	9431
55°	7176	7507	7507
60°	6269	6269	6648
65°	5542	5542	6031
70°	5136	5136	5136
75°	4525	4525	4525
80°	3372	3372	4463
85°	2174	2174	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.3	22.9
10°-20°	335.1	36.7
20°-30°	194.1	21.3
30°-40°	87.0	9.5
40°-50°	41.3	4.5
50°-60°	22.6	2.5
60°-70°	13.7	1.5
70°-80°	7.4	0.8
80°-90°	1.6	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°	738.5	81.0
0°-40°	825.5	90.5
0°-60°	889.3	97.5
0°-90°	912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2595	2595	2595	2595	2595	
5°	2385	2377	2371	2376	2379	210
15°	1213	1213	1219	1213	1219	334
25°	406	406	411	408	410	192
35°	131	132	134	135	134	85
45°	51	51	52	52	53	40
55°	24	24	25	25	25	22
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°	2595.2	2595.2	2595.2	2595.2	2595.2
1°	2594.0	2587.2	2584.9	2582.7	2589.5
2°	2567.9	2560.0	2555.4	2557.7	2558.8
3°	2521.3	2516.8	2516.8	2513.4	2515.7
4°	2461.1	2452.1	2452.1	2453.2	2453.2
5°	2385.0	2377.1	2371.4	2376.0	2379.4
6°	2299.9	2289.6	2285.1	2286.2	2294.2
7°	2195.4	2181.8	2184.0	2189.7	2189.7
8°	2077.3	2076.1	2078.4	2076.1	2078.4
9°	1968.2	1952.3	1966.0	1954.6	1960.3
10°	1829.7	1828.5	1831.9	1835.4	1831.9
12.5°	1513.9	1519.6	1521.9	1517.3	1527.6
15°	1213.0	1213.0	1218.6	1213.0	1218.6
17.5°	943.8	942.7	947.2	942.7	949.5
20°	716.7	724.6	725.7	725.7	729.1
22.5°	540.6	540.6	545.2	546.3	544.0
25°	405.5	405.5	411.1	407.7	410.0
27.5°	299.8	302.1	306.6	308.9	308.9
30°	226.0	227.1	230.6	231.7	231.7
32.5°	170.4	172.6	174.9	176.0	177.2
35°	130.6	131.7	134.0	135.2	134.0
37.5°	99.9	101.1	103.4	104.5	104.5
40°	79.5	79.5	80.6	81.8	81.8
42.5°	62.5	63.6	63.6	64.7	64.7
45°	51.1	51.1	52.2	52.2	53.4
47.5°	40.9	40.9	42.0	43.2	43.2
50°	34.1	34.1	35.2	35.2	35.2
52.5°	28.4	28.4	29.5	29.5	29.5
55°	23.9	23.9	25.0	25.0	25.0
57.5°	20.4	20.4	21.6	21.6	21.6
60°	18.2	18.2	18.2	18.2	19.3
62.5°	15.9	15.9	15.9	15.9	15.9
65°	13.6	13.6	13.6	13.6	14.8
67.5°	11.4	11.4	11.4	11.4	12.5
70°	10.2	10.2	10.2	10.2	10.2
72.5°	8.0	8.0	8.0	9.1	9.1
75°	6.8	6.8	6.8	6.8	6.8
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.4	3.4	3.4	4.5	4.5
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	2.3
87.5°	0.0	0.0	0.0	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)