

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: P1312561

Luminaire Tested: P3SQAS17R209727DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312561
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: P3SQAS17R209727DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

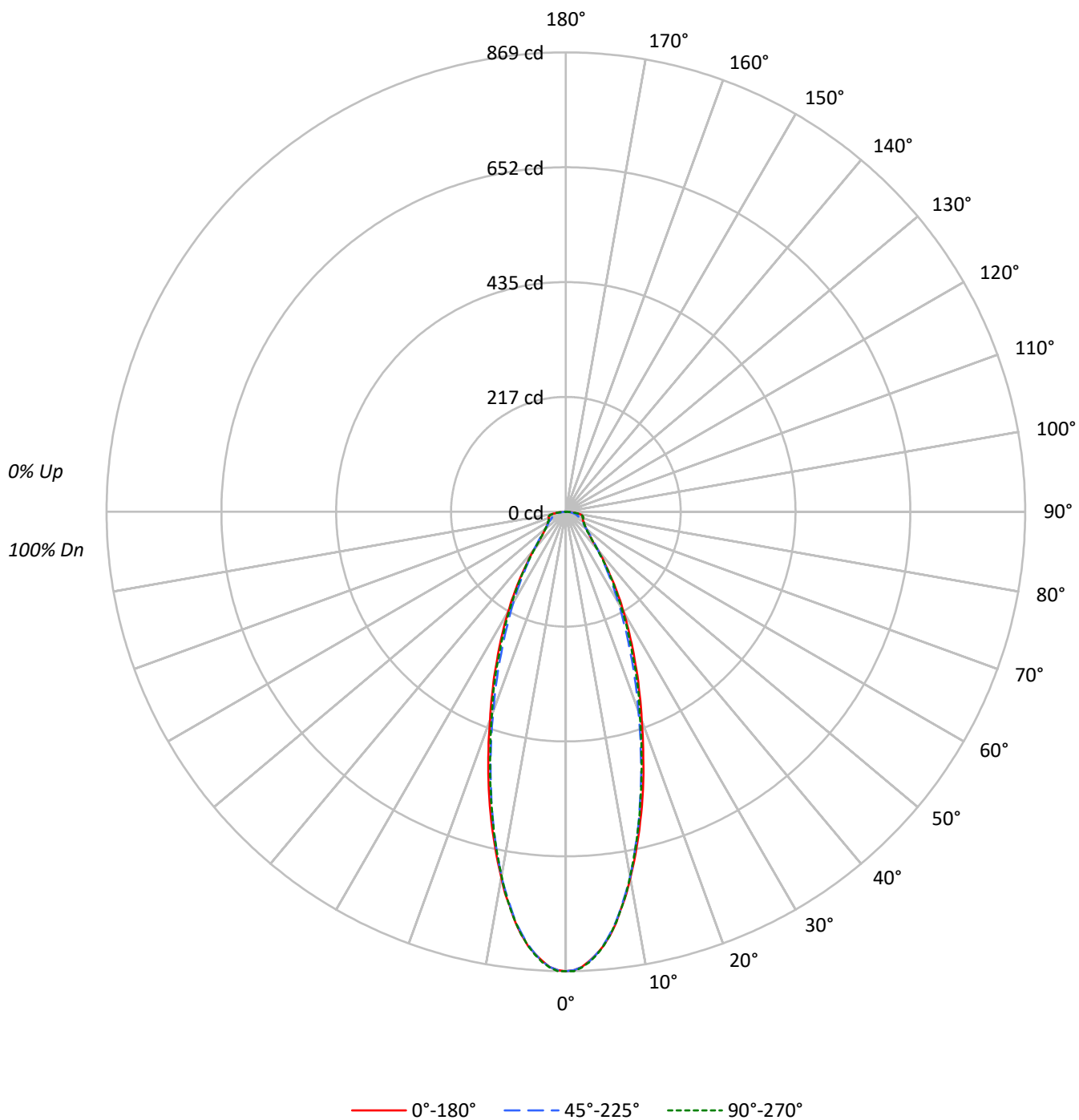
Lumens per Lamp: N/A
Luminaire Lumens: 613.0 lumens
Efficiency: N/A
Efficacy: 28.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	149696	149696	149696
5°	142436	142073	142436
10°	122958	122590	122398
15°	99793	97493	97868
20°	76884	73530	74905
25°	58414	54101	56761
30°	43313	39455	42040
35°	30612	28572	30149
40°	21088	21088	20616
45°	15490	16294	15490
50°	13584	13584	13584
55°	12941	12641	12941
60°	13364	12262	13364
65°	14507	12307	14507
70°	17372	12488	17372
75°	22225	13641	22225
80°	27770	13885	26778
85°	21341	12844	23515

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 27770 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	12.2
10°-20°	152.3	24.8
20°-30°	136.0	22.2
30°-40°	89.2	14.6
40°-50°	51.9	8.5
50°-60°	38.5	6.3
60°-70°	32.5	5.3
70°-80°	26.9	4.4
80°-90°	11.2	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°	362.8	59.2
0°-40°	452.0	73.7
0°-60°	542.4	88.5
0°-90°	613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	869	869	869	869	869	
5°	824	823	822	823	824	75
15°	560	554	547	548	549	155
25°	307	299	285	292	299	142
35°	146	141	136	140	143	93
45°	64	65	67	65	64	51
55°	43	42	42	42	43	39
65°	36	32	30	32	36	36
75°	33	25	20	25	33	34
85°	11	12	6	12	12	13
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	869.2	869.2	869.2	869.2	869.2
1°	867.1	868.2	867.1	868.2	869.2
2°	861.7	862.8	861.7	861.7	862.8
3°	850.9	852.0	852.0	852.0	853.1
4°	838.0	839.0	838.0	839.0	840.1
5°	823.9	822.9	821.8	822.9	823.9
6°	804.5	803.4	802.4	803.4	804.5
7°	783.0	781.9	780.8	780.8	781.9
8°	756.0	757.1	753.8	756.0	757.1
9°	732.3	730.1	728.0	728.0	730.1
10°	703.1	701.0	701.0	699.9	699.9
12.5°	632.0	627.7	624.4	624.4	625.5
15°	559.7	554.3	546.8	547.9	548.9
17.5°	487.5	481.0	471.3	473.4	475.6
20°	419.5	413.0	401.2	405.5	408.7
22.5°	361.3	351.6	340.8	344.0	354.8
25°	307.4	298.7	284.7	292.3	298.7
27.5°	259.9	250.2	238.3	245.9	252.4
30°	217.8	209.2	198.4	204.9	211.4
32.5°	180.1	172.6	165.0	169.3	174.7
35°	145.6	141.3	135.9	140.2	143.4
37.5°	117.6	115.4	113.2	115.4	114.3
40°	93.8	94.9	93.8	93.8	91.7
42.5°	74.4	77.6	78.7	76.6	74.4
45°	63.6	64.7	66.9	64.7	63.6
47.5°	56.1	56.1	57.2	56.1	55.0
50°	50.7	50.7	50.7	50.7	50.7
52.5°	46.4	46.4	45.3	46.4	46.4
55°	43.1	42.1	42.1	42.1	43.1
57.5°	41.0	39.9	38.8	39.9	41.0
60°	38.8	36.7	35.6	36.7	38.8
62.5°	36.7	34.5	33.4	34.5	36.7
65°	35.6	32.4	30.2	32.4	35.6
67.5°	34.5	30.2	28.0	30.2	35.6
70°	34.5	28.0	24.8	29.1	34.5
72.5°	33.4	27.0	22.6	27.0	33.4
75°	33.4	24.8	20.5	24.8	33.4
77.5°	31.3	22.6	17.3	22.6	31.3
80°	28.0	20.5	14.0	20.5	27.0
82.5°	20.5	17.3	10.8	17.3	20.5
85°	10.8	11.9	6.5	11.9	11.9
87.5°	1.1	4.3	2.2	6.5	5.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)