

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: P1312717

Luminaire Tested: P3SQAS20R209727D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312717
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209727D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

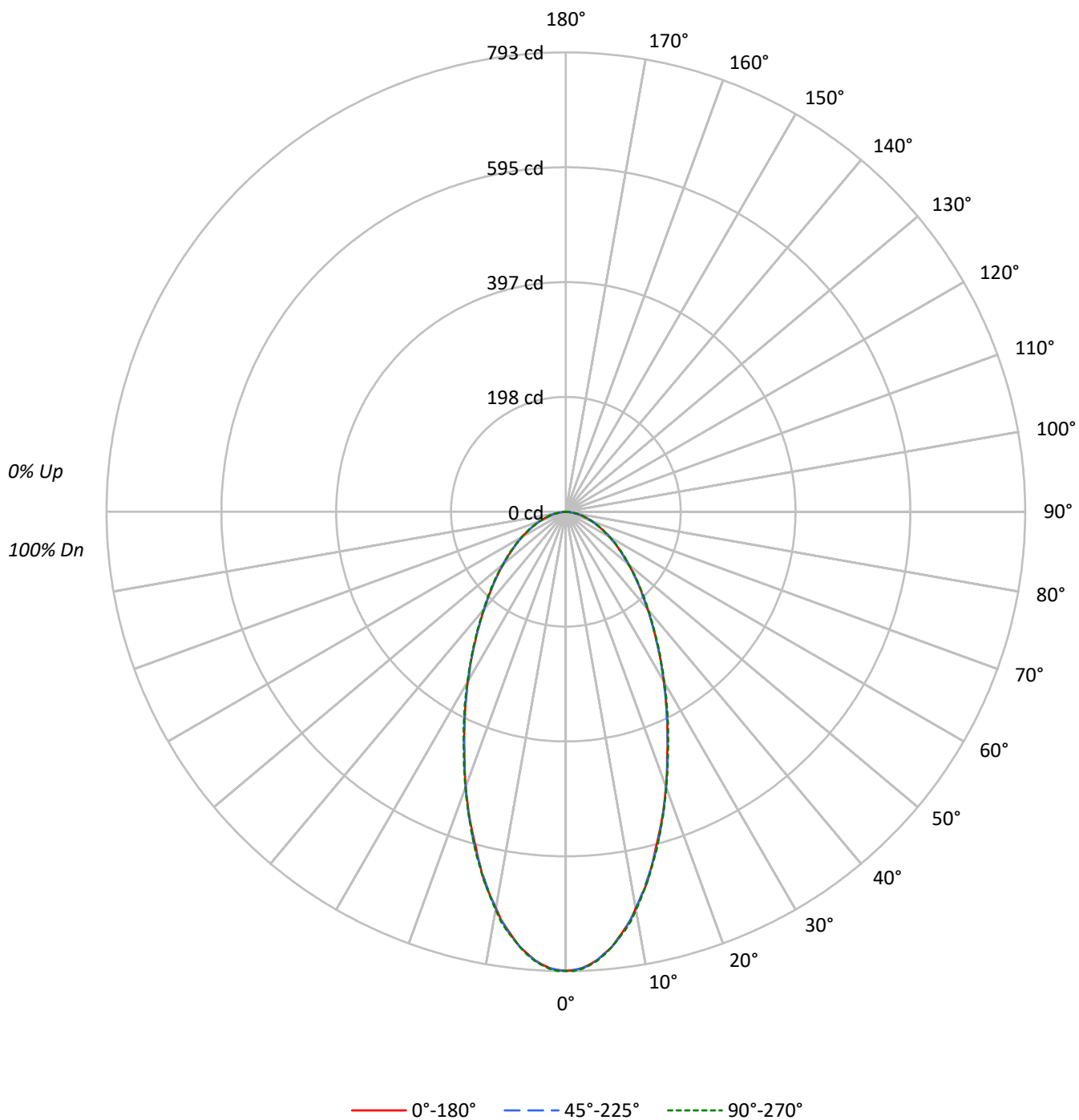
Lumens per Lamp: N/A
Luminaire Lumens: 948.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	136504	136504	136504
5°	132375	132375	132617
10°	121524	121769	122013
15°	106997	107496	107745
20°	92609	92609	92866
25°	78804	78804	79336
30°	67276	66978	67555
35°	57439	57439	57733
40°	49326	49326	49640
45°	43086	43086	43427
50°	37912	37912	37912
55°	33569	33569	33990
60°	30208	30208	30208
65°	27100	27100	27100
70°	24221	24221	24221
75°	21693	20694	21693
80°	18249	18249	18249
85°	11263	11263	14030

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43427 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.9	7.5
10°-20°	167.8	17.7
20°-30°	191.1	20.2
30°-40°	171.6	18.1
40°-50°	137.5	14.5
50°-60°	101.0	10.7
60°-70°	66.0	7.0
70°-80°	34.2	3.6
80°-90°	7.9	0.8
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°	429.8	45.3
0°-40°	601.3	63.4
0°-60°	839.8	88.6
0°-90°	948.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	948.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	766	766	766	766	767	71
15°	600	600	603	603	604	168
25°	415	415	415	416	418	191
35°	273	273	273	273	275	171
45°	177	177	177	177	178	137
55°	112	112	112	112	113	101
65°	66	65	66	66	66	66
75°	33	31	31	33	33	35
85°	6	6	6	7	7	8
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.6	792.6	792.6	792.6	792.6
1°	791.2	789.7	791.2	791.2	792.6
2°	788.3	788.3	788.3	786.9	789.7
3°	782.7	782.7	784.1	782.7	784.1
4°	775.6	775.6	775.6	774.2	777.0
5°	765.7	765.7	765.7	765.7	767.1
6°	755.8	754.4	755.8	754.4	755.8
7°	741.6	741.6	743.0	741.6	743.0
8°	727.5	726.1	728.9	727.5	730.3
9°	713.3	711.9	713.3	711.9	716.1
10°	694.9	696.3	696.3	696.3	697.7
12.5°	652.5	649.6	649.6	649.6	652.5
15°	600.1	600.1	602.9	602.9	604.3
17.5°	553.4	552.0	554.8	554.8	554.8
20°	505.3	503.8	505.3	505.3	506.7
22.5°	457.1	458.6	458.6	458.6	460.0
25°	414.7	414.7	414.7	416.1	417.5
27.5°	375.1	373.6	375.1	376.5	377.9
30°	338.3	336.8	336.8	338.3	339.7
32.5°	304.3	302.9	304.3	304.3	305.7
35°	273.2	273.2	273.2	273.2	274.6
37.5°	244.8	244.8	244.8	246.3	246.3
40°	219.4	219.4	219.4	220.8	220.8
42.5°	196.7	196.7	196.7	198.1	199.6
45°	176.9	176.9	176.9	176.9	178.3
47.5°	158.5	158.5	158.5	159.9	159.9
50°	141.5	140.1	141.5	142.9	141.5
52.5°	126.0	126.0	126.0	126.0	127.4
55°	111.8	111.8	111.8	111.8	113.2
57.5°	99.1	99.1	99.1	100.5	100.5
60°	87.7	87.7	87.7	87.7	87.7
62.5°	76.4	76.4	76.4	76.4	76.4
65°	66.5	65.1	66.5	66.5	66.5
67.5°	56.6	56.6	56.6	56.6	56.6
70°	48.1	48.1	48.1	48.1	48.1
72.5°	39.6	39.6	39.6	39.6	39.6
75°	32.6	31.1	31.1	32.6	32.6
77.5°	25.5	24.1	25.5	25.5	25.5
80°	18.4	18.4	18.4	18.4	18.4
82.5°	11.3	11.3	11.3	12.7	12.7
85°	5.7	5.7	5.7	7.1	7.1
87.5°	1.4	1.4	1.4	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)