

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: P1312893

Luminaire Tested: P3SQAS02R209730DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312893
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: P3SQAS02R209730DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

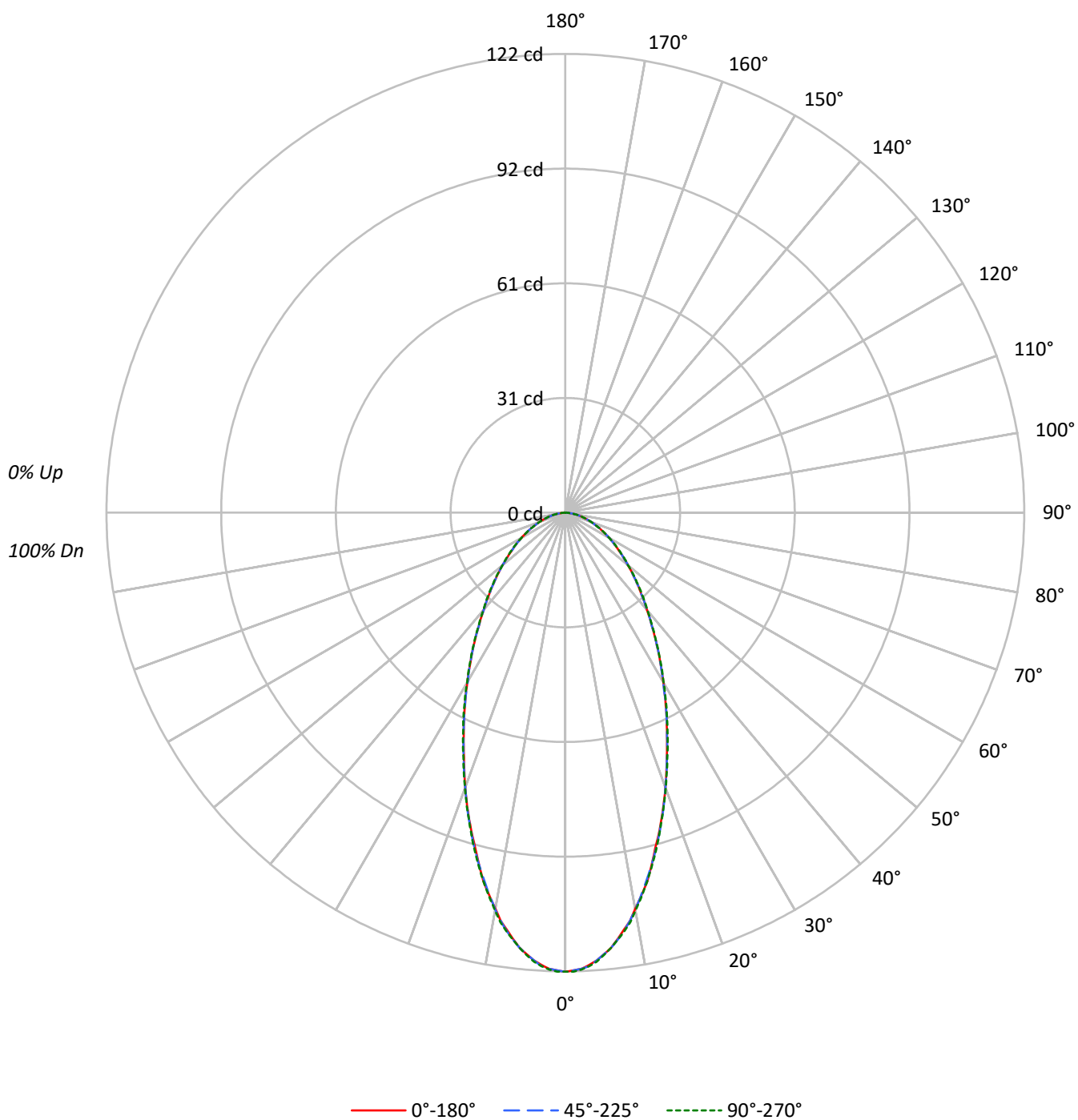
Lumens per Lamp: N/A
Luminaire Lumens: 146.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1312893

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1312893

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLD1MW

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	59	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°	21028	21028	21028
5°	20383	20383	20417
10°	18712	18747	18800
15°	16475	16564	16600
20°	14259	14259	14295
25°	12143	12143	12219
30°	10361	10321	10401
35°	8851	8851	8893
40°	7599	7599	7644
45°	6625	6625	6698
50°	5841	5841	5841
55°	5164	5164	5225
60°	4650	4650	4650
65°	4157	4157	4157
70°	3726	3726	3726
75°	3327	3194	3327
80°	2777	2777	2777
85°	1778	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6698 cd/sqm

TEST NUMBER: P1312893

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.9	7.5
10°-20°	25.8	17.7
20°-30°	29.4	20.2
30°-40°	26.4	18.1
40°-50°	21.2	14.5
50°-60°	15.6	10.7
60°-70°	10.2	7.0
70°-80°	5.3	3.6
80°-90°	1.2	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°	66.2	45.3
0°-40°	92.6	63.4
0°-60°	129.3	88.6
0°-90°	146.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	146.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	122	122	122	122	122	
5°	118	118	118	118	118	11
15°	92	92	93	93	93	26
25°	64	64	64	64	64	29
35°	42	42	42	42	42	26
45°	27	27	27	27	28	21
55°	17	17	17	17	17	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1312893

CATALOG NUMBER: P3SQAS02R209730DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	122.1	122.1	122.1	122.1	122.1
1°	121.8	121.6	121.8	121.8	122.1
2°	121.4	121.4	121.4	121.2	121.6
3°	120.5	120.5	120.8	120.5	120.8
4°	119.4	119.4	119.4	119.2	119.7
5°	117.9	117.9	117.9	117.9	118.1
6°	116.4	116.2	116.4	116.2	116.4
7°	114.2	114.2	114.4	114.2	114.4
8°	112.0	111.8	112.3	112.0	112.5
9°	109.9	109.6	109.9	109.6	110.3
10°	107.0	107.2	107.2	107.2	107.5
12.5°	100.5	100.0	100.0	100.0	100.5
15°	92.4	92.4	92.9	92.9	93.1
17.5°	85.2	85.0	85.4	85.4	85.4
20°	77.8	77.6	77.8	77.8	78.0
22.5°	70.4	70.6	70.6	70.6	70.8
25°	63.9	63.9	63.9	64.1	64.3
27.5°	57.8	57.5	57.8	58.0	58.2
30°	52.1	51.9	51.9	52.1	52.3
32.5°	46.9	46.6	46.9	46.9	47.1
35°	42.1	42.1	42.1	42.1	42.3
37.5°	37.7	37.7	37.7	37.9	37.9
40°	33.8	33.8	33.8	34.0	34.0
42.5°	30.3	30.3	30.3	30.5	30.7
45°	27.2	27.2	27.2	27.2	27.5
47.5°	24.4	24.4	24.4	24.6	24.6
50°	21.8	21.6	21.8	22.0	21.8
52.5°	19.4	19.4	19.4	19.4	19.6
55°	17.2	17.2	17.2	17.2	17.4
57.5°	15.3	15.3	15.3	15.5	15.5
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.8	11.8	11.8	11.8	11.8
65°	10.2	10.0	10.2	10.2	10.2
67.5°	8.7	8.7	8.7	8.7	8.7
70°	7.4	7.4	7.4	7.4	7.4
72.5°	6.1	6.1	6.1	6.1	6.1
75°	5.0	4.8	4.8	5.0	5.0
77.5°	3.9	3.7	3.9	3.9	3.9
80°	2.8	2.8	2.8	2.8	2.8
82.5°	1.7	1.7	1.7	2.0	2.0
85°	0.9	0.9	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)