

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: P1309894

Luminaire Tested: P3SQAS05R209040DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309894
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: P3SQAS05R209040DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

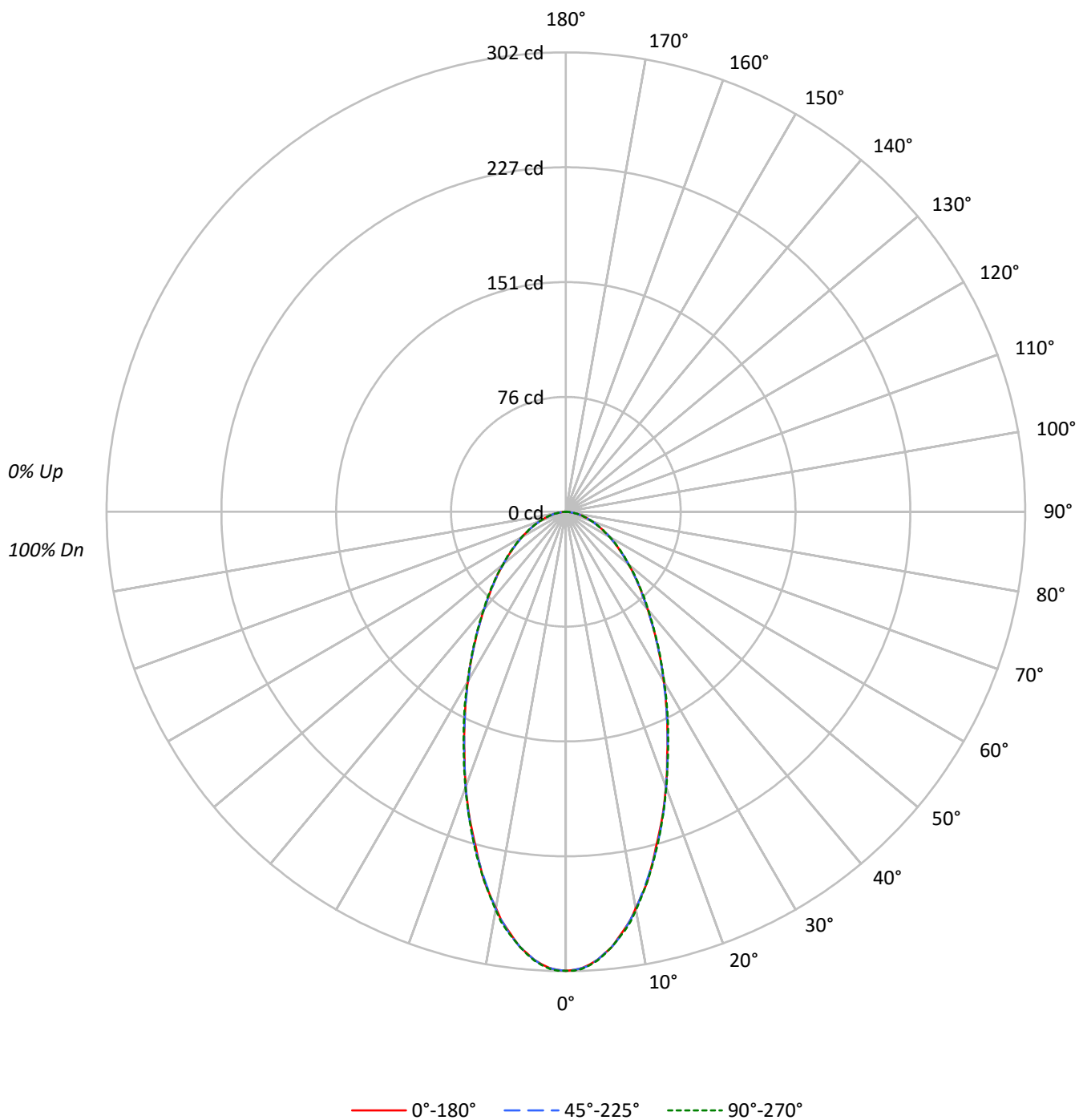
Lumens per Lamp: N/A
Luminaire Lumens: 361.0 lumens
Efficiency: N/A
Efficacy: 50.1 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1309894

CATALOG NUMBER: P3SQAS05R209040DE010 E3SQPHLD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309894

CATALOG NUMBER: P3SQAS05R209040DE010 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	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°	51977	51977	51977
5°	50412	50412	50498
10°	46273	46378	46465
15°	40741	40937	41026
20°	35262	35262	35354
25°	30005	30005	30214
30°	25614	25514	25713
35°	21865	21865	21992
40°	18773	18773	18907
45°	16416	16416	16538
50°	14441	14441	14441
55°	12791	12791	12941
60°	11504	11504	11504
65°	10310	10310	10310
70°	9215	9215	9215
75°	8251	7918	8251
80°	6943	6943	6943
85°	4347	4347	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16538 cd/sqm

TEST NUMBER: P1309894

CATALOG NUMBER: P3SQAS05R209040DE010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.0	7.5
10°-20°	63.9	17.7
20°-30°	72.8	20.2
30°-40°	65.3	18.1
40°-50°	52.4	14.5
50°-60°	38.5	10.7
60°-70°	25.1	7.0
70°-80°	13.0	3.6
80°-90°	3.0	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°	163.7	45.3
0°-40°	229.0	63.4
0°-60°	319.8	88.6
0°-90°	361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	302	302	302	302	302	
5°	292	292	292	292	292	27
15°	228	228	230	230	230	64
25°	158	158	158	158	159	73
35°	104	104	104	104	105	65
45°	67	67	67	67	68	52
55°	43	43	43	43	43	38
65°	25	25	25	25	25	25
75°	12	12	12	12	12	13
85°	2	2	2	3	3	3
90°	0	0	0	0	0	

TEST NUMBER: P1309894

CATALOG NUMBER: P3SQAS05R209040DE010 E3SQPHLD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	301.8	301.8	301.8	301.8	301.8
1°	301.3	300.7	301.3	301.3	301.8
2°	300.2	300.2	300.2	299.7	300.7
3°	298.0	298.0	298.6	298.0	298.6
4°	295.3	295.3	295.3	294.8	295.9
5°	291.6	291.6	291.6	291.6	292.1
6°	287.8	287.3	287.8	287.3	287.8
7°	282.4	282.4	282.9	282.4	282.9
8°	277.0	276.5	277.6	277.0	278.1
9°	271.6	271.1	271.6	271.1	272.7
10°	264.6	265.2	265.2	265.2	265.7
12.5°	248.5	247.4	247.4	247.4	248.5
15°	228.5	228.5	229.6	229.6	230.1
17.5°	210.7	210.2	211.3	211.3	211.3
20°	192.4	191.9	192.4	192.4	192.9
22.5°	174.1	174.6	174.6	174.6	175.2
25°	157.9	157.9	157.9	158.5	159.0
27.5°	142.8	142.3	142.8	143.4	143.9
30°	128.8	128.3	128.3	128.8	129.3
32.5°	115.9	115.3	115.9	115.9	116.4
35°	104.0	104.0	104.0	104.0	104.6
37.5°	93.2	93.2	93.2	93.8	93.8
40°	83.5	83.5	83.5	84.1	84.1
42.5°	74.9	74.9	74.9	75.5	76.0
45°	67.4	67.4	67.4	67.4	67.9
47.5°	60.4	60.4	60.4	60.9	60.9
50°	53.9	53.4	53.9	54.4	53.9
52.5°	48.0	48.0	48.0	48.0	48.5
55°	42.6	42.6	42.6	42.6	43.1
57.5°	37.7	37.7	37.7	38.3	38.3
60°	33.4	33.4	33.4	33.4	33.4
62.5°	29.1	29.1	29.1	29.1	29.1
65°	25.3	24.8	25.3	25.3	25.3
67.5°	21.6	21.6	21.6	21.6	21.6
70°	18.3	18.3	18.3	18.3	18.3
72.5°	15.1	15.1	15.1	15.1	15.1
75°	12.4	11.9	11.9	12.4	12.4
77.5°	9.7	9.2	9.7	9.7	9.7
80°	7.0	7.0	7.0	7.0	7.0
82.5°	4.3	4.3	4.3	4.9	4.9
85°	2.2	2.2	2.2	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)