Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1310085

Luminaire Tested: P3SQAS09R309040DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1310085
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	IRiS
Catalog Number:	P3SQAS09R309040DE010 E3SQPHLD1MW
Description:	3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	596.0 lumens
Efficiency:	N/A
Efficacy:	53.7 lumens/watt
Spacing Criteria (0/90/45):	0.81 / 0.81 / 0.9
Luminous Opening:	Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type:	Direct

Input Watts (W):	11.1
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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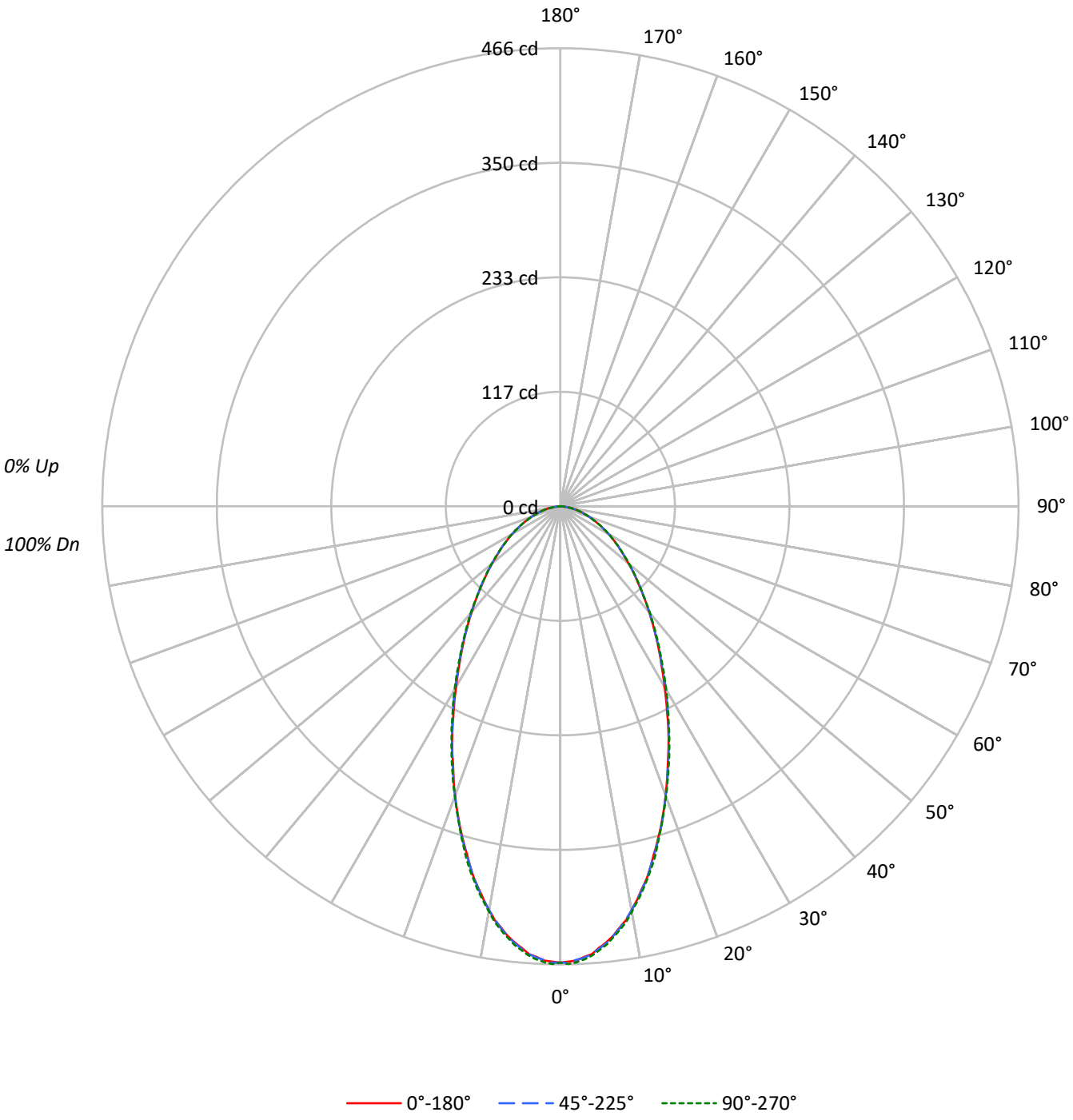
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	79946	79946	79946
5°	77969	78107	78384
10°	72960	72960	73240
15°	65418	65560	66006
20°	57420	57420	57567
25°	49502	49502	49825
30°	42140	42637	42796
35°	36393	36583	36751
40°	31520	31700	31880
45°	27498	27717	27717
50°	24301	24301	24516
55°	21769	21769	21769
60°	19599	19599	19599
65°	17482	17482	17482
70°	15761	15761	15761
75°	14240	13708	13708
80°	12298	11406	11406
85°	8102	8102	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 27717 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	7.1
10°-20°	102.5	17.2
20°-30°	119.7	20.1
30°-40°	108.9	18.3
40°-50°	88.0	14.8
50°-60°	65.0	10.9
60°-70°	42.8	7.2
70°-80°	22.1	3.7
80°-90°	5.0	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°	264.2	44.3
0°-40°	373.1	62.6
0°-60°	526.1	88.3
0°-90°	596.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	596.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	464	464	464	464	464	
5°	451	451	452	452	453	42
15°	367	368	368	368	370	102
25°	260	260	260	260	262	119
35°	173	172	174	174	175	108
45°	113	114	114	114	114	88
55°	72	72	72	72	72	65
65°	43	43	43	43	43	43
75°	21	21	21	21	21	23
85°	4	4	4	4	4	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	464.2	464.2	464.2	464.2	*464.2*
1°	*463.3*	*463.3*	*464.2*	*463.3*	*465.8*
2°	462.5	461.7	461.7	461.7	*464.2*
3°	459.2	459.2	460.0	459.2	*461.7*
4°	456.7	455.9	456.7	455.9	*458.4*
5°	451.0	451.0	451.8	451.8	*453.4*
6°	446.0	446.0	446.8	446.0	*448.5*
7°	440.2	440.2	440.2	440.2	*441.9*
8°	432.8	432.8	433.7	433.7	*435.3*
9°	426.2	425.4	425.4	425.4	*427.9*
10°	417.2	417.2	417.2	417.2	*418.8*
11°	408.1	408.1	408.1	408.1	*409.7*
12°	398.2	398.2	399.0	398.2	*400.7*
13°	389.1	389.1	389.1	389.1	*390.8*
14°	378.4	377.6	378.4	378.4	*380.9*
15°	366.9	367.7	367.7	367.7	*370.2*
17.5°	340.5	340.5	341.3	339.7	*341.3*
20°	313.3	312.5	313.3	313.3	*314.1*
22.5°	285.3	286.1	286.1	286.1	*287.7*
25°	260.5	259.7	260.5	260.5	*262.2*
27.5°	235.0	235.8	236.6	235.8	*237.4*
30°	211.9	213.5	214.4	212.7	*215.2*
32.5°	191.3	191.3	192.1	192.9	*193.7*
35°	173.1	172.3	174.0	174.0	*174.8*
37.5°	155.8	155.8	155.8	156.6	*157.5*
40°	140.2	140.2	141.0	141.0	*141.8*
42.5°	126.1	125.3	126.1	126.1	*126.1*
45°	112.9	113.8	113.8	113.8	*113.8*
47.5°	101.4	101.4	102.2	101.4	*102.2*
50°	90.7	90.7	90.7	90.7	*91.5*
52.5°	80.8	80.8	80.8	80.8	*81.6*
55°	72.5	71.7	72.5	71.7	*72.5*
57.5°	64.3	64.3	64.3	64.3	*64.3*
60°	56.9	56.1	56.9	56.1	*56.9*
62.5°	49.5	49.5	49.5	49.5	*49.5*
65°	42.9	42.9	42.9	42.9	*42.9*
67.5°	37.1	37.1	37.1	36.3	*36.3*
70°	31.3	31.3	31.3	31.3	*31.3*
72.5°	26.4	25.6	25.6	25.6	*25.6*
75°	21.4	20.6	20.6	20.6	*20.6*
77.5°	16.5	16.5	15.7	15.7	*16.5*
80°	12.4	11.5	11.5	11.5	*11.5*
82.5°	7.4	7.4	7.4	7.4	*7.4*
85°	4.1	4.1	4.1	4.1	*4.1*
87.5°	0.8	0.8	0.8	1.6	*1.6*

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)