

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: P1309087

Luminaire Tested: P3SQAS13R159035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

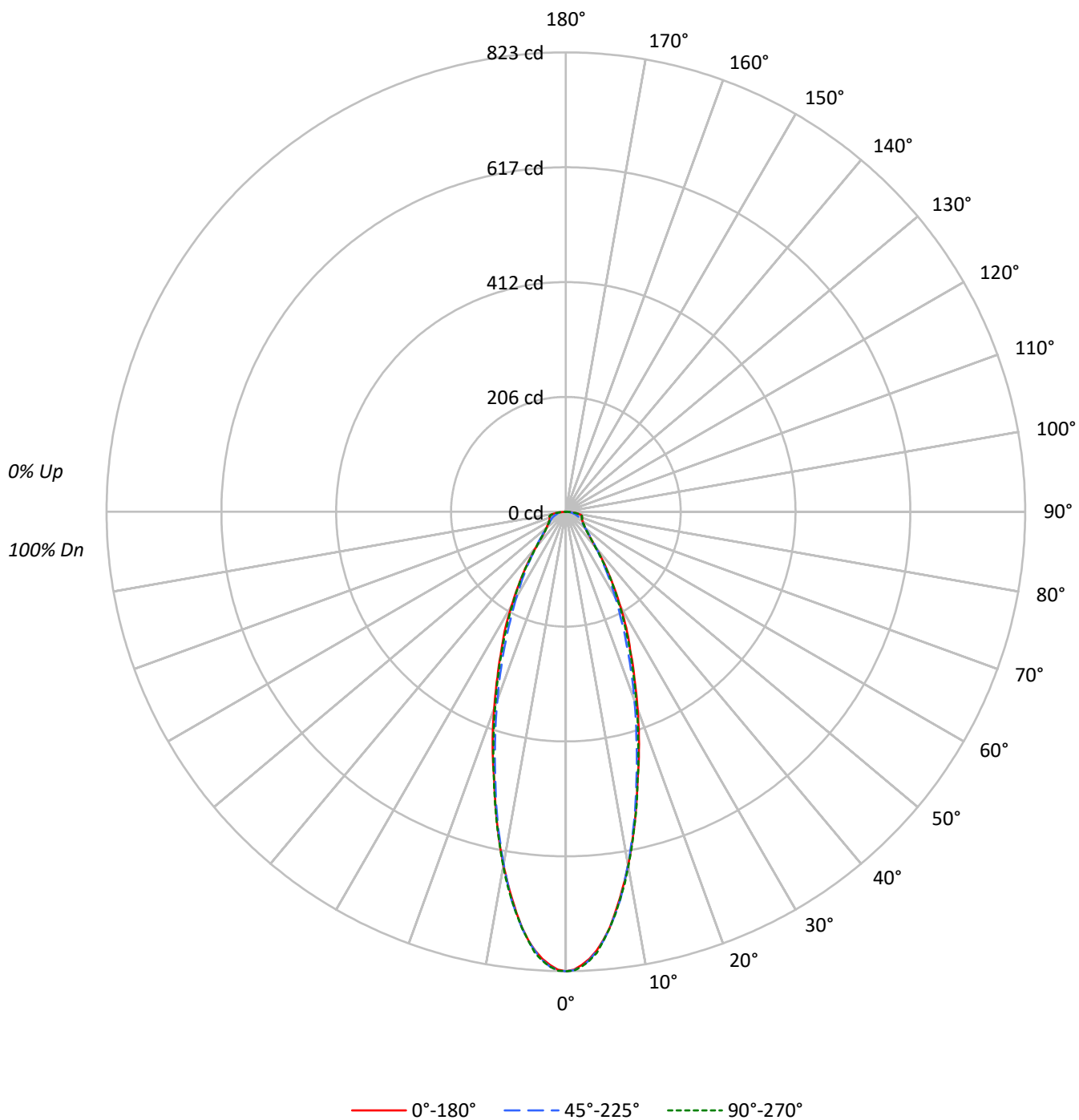
Lumens per Lamp: N/A
Luminaire Lumens: 551.9 lumens
Efficiency: N/A
Efficacy: 37.8 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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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	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	61	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	54	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141808	141808	141808
5°	133187	133360	133360
10°	112500	112150	112850
15°	88489	87223	88668
20°	68765	65649	67849
25°	51896	48286	51136
30°	38600	35219	37804
35°	27563	25671	27143
40°	18660	18885	18435
45°	13883	14614	13883
50°	12057	12057	12057
55°	11710	11110	11710
60°	12056	11022	11711
65°	13040	11410	13040
70°	15610	11582	15610
75°	19963	11978	19963
80°	24795	12893	23803
85°	19760	11856	21736

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 24795 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	12.6
10°-20°	137.3	24.9
20°-30°	121.3	22.0
30°-40°	79.7	14.4
40°-50°	46.6	8.4
50°-60°	34.3	6.2
60°-70°	29.2	5.3
70°-80°	24.1	4.4
80°-90°	10.0	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°	328.1	59.4
0°-40°	407.8	73.9
0°-60°	488.7	88.5
0°-90°	551.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	551.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	770	770	771	772	771	69
15°	496	496	489	495	497	139
25°	273	264	254	261	269	126
35°	131	126	122	125	129	83
45°	57	58	60	58	57	46
55°	39	38	37	38	39	35
65°	32	29	28	29	32	32
75°	30	22	18	23	30	31
85°	10	11	6	10	11	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.4	823.4	823.4	823.4	823.4
1°	820.4	821.4	821.4	822.4	822.4
2°	812.4	814.4	815.4	815.4	815.4
3°	802.4	803.4	804.4	805.4	805.4
4°	788.4	789.4	789.4	791.4	792.4
5°	770.4	770.4	771.4	772.4	771.4
6°	749.4	749.4	750.4	750.4	750.4
7°	724.4	725.4	726.4	727.4	726.4
8°	697.4	698.4	701.4	701.4	700.4
9°	670.3	671.3	671.3	674.3	674.3
10°	643.3	643.3	641.3	643.3	645.3
12.5°	570.3	569.3	566.3	569.3	571.3
15°	496.3	496.3	489.2	495.3	497.3
17.5°	436.2	427.2	420.2	426.2	431.2
20°	375.2	366.2	358.2	364.2	370.2
22.5°	320.2	313.2	303.2	309.2	316.2
25°	273.1	264.1	254.1	261.1	269.1
27.5°	234.1	222.1	212.1	220.1	227.1
30°	194.1	186.1	177.1	183.1	190.1
32.5°	160.1	154.1	147.1	152.1	158.1
35°	131.1	126.1	122.1	125.1	129.1
37.5°	105.1	103.1	101.1	102.1	102.1
40°	83.0	84.0	84.0	84.0	82.0
42.5°	68.0	69.0	71.0	69.0	68.0
45°	57.0	58.0	60.0	58.0	57.0
47.5°	50.0	51.0	52.0	50.0	50.0
50°	45.0	45.0	45.0	45.0	45.0
52.5°	42.0	41.0	41.0	41.0	42.0
55°	39.0	38.0	37.0	38.0	39.0
57.5°	36.0	35.0	34.0	35.0	36.0
60°	35.0	33.0	32.0	33.0	34.0
62.5°	33.0	31.0	30.0	31.0	33.0
65°	32.0	29.0	28.0	29.0	32.0
67.5°	31.0	27.0	25.0	27.0	31.0
70°	31.0	25.0	23.0	26.0	31.0
72.5°	30.0	24.0	20.0	24.0	30.0
75°	30.0	22.0	18.0	23.0	30.0
77.5°	28.0	20.0	15.0	21.0	28.0
80°	25.0	18.0	13.0	19.0	24.0
82.5°	18.0	15.0	10.0	15.0	18.0
85°	10.0	11.0	6.0	10.0	11.0
87.5°	1.0	3.0	2.0	6.0	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)