

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: P1305928

Luminaire Tested: P3SQAS13R309024DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305928
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309024DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

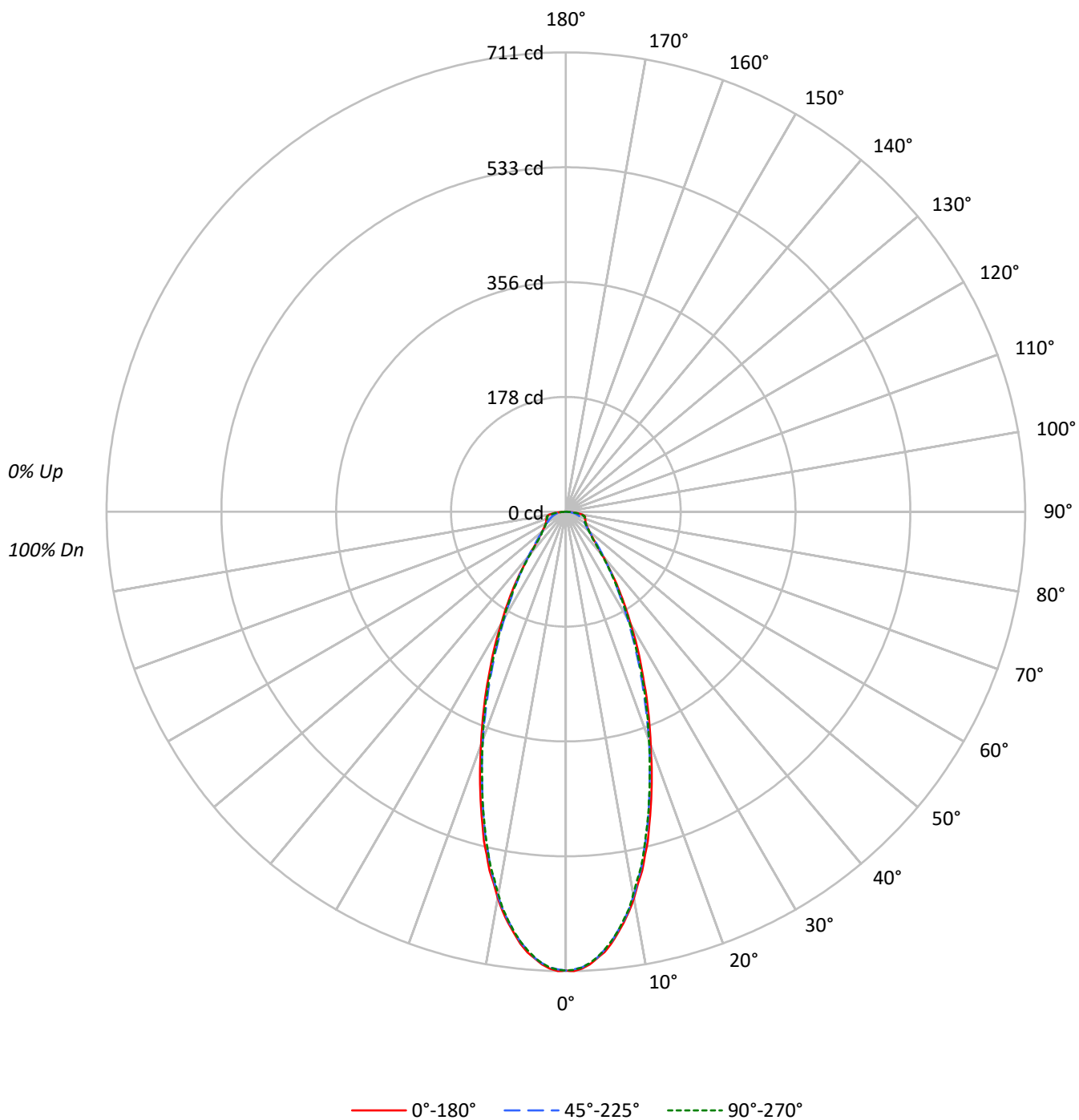
Lumens per Lamp: N/A
Luminaire Lumens: 560.0 lumens
Efficiency: N/A
Efficacy: 38.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	122295	122295	122295
5°	118319	117732	117732
10°	106187	105592	105138
15°	89006	87616	87473
20°	70268	68857	68857
25°	53778	51668	52637
30°	39912	37864	38719
35°	28846	27584	27773
40°	19852	20256	19290
45°	14833	15466	14200
50°	12861	12646	12646
55°	12101	11590	11860
60°	12400	11504	12124
65°	13611	11533	13285
70°	15962	11682	15560
75°	20561	12576	19963
80°	25489	13588	23803
85°	20353	13635	18575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 25489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	11.2
10°-20°	136.2	24.3
20°-30°	126.9	22.7
30°-40°	84.2	15.0
40°-50°	49.0	8.8
50°-60°	35.7	6.4
60°-70°	30.1	5.4
70°-80°	25.0	4.5
80°-90°	10.4	1.9
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°	325.6	58.1
0°-40°	409.8	73.2
0°-60°	494.5	88.3
0°-90°	560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	560.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	710	710	710	710	710	
5°	684	684	681	681	681	63
15°	499	494	491	491	491	138
25°	283	278	272	273	277	130
35°	137	135	131	132	132	86
45°	61	62	64	60	58	49
55°	40	40	39	40	40	37
65°	33	30	28	30	33	33
75°	31	23	19	23	30	32
85°	10	12	7	11	9	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	710.1	710.1	710.1	710.1	710.1
1°	711.0	710.1	708.4	709.3	709.3
2°	707.6	706.7	705.8	705.8	705.8
3°	701.6	700.7	699.8	699.8	699.8
4°	693.0	692.1	692.1	691.3	691.3
5°	684.4	683.6	681.0	681.0	681.0
6°	672.4	671.5	669.8	669.0	669.0
7°	657.8	657.8	655.2	654.4	655.2
8°	642.4	641.5	639.8	639.0	639.0
9°	626.1	623.5	623.5	620.9	622.7
10°	607.2	605.5	603.8	602.1	601.2
11°	585.8	584.9	582.3	580.6	579.8
12°	567.8	563.5	561.8	559.2	560.9
13°	544.6	542.0	537.7	536.9	537.7
14°	524.9	519.7	516.3	514.6	513.7
15°	499.2	494.0	491.4	490.6	490.6
17.5°	441.7	438.3	431.4	431.4	431.4
20°	383.4	379.9	375.7	374.8	375.7
22.5°	332.8	326.8	319.9	320.8	325.9
25°	283.0	277.9	271.9	272.7	277.0
27.5°	241.0	234.1	228.1	229.9	232.4
30°	200.7	196.4	190.4	192.1	194.7
32.5°	166.4	163.8	157.0	158.7	161.2
35°	137.2	134.7	131.2	132.1	132.1
37.5°	109.8	109.8	108.9	108.1	107.2
40°	88.3	90.1	90.1	87.5	85.8
42.5°	72.0	73.8	75.5	72.0	69.5
45°	60.9	61.8	63.5	60.0	58.3
47.5°	53.2	53.2	54.9	52.3	51.5
50°	48.0	48.0	47.2	46.3	47.2
52.5°	43.7	42.9	42.0	42.9	42.9
55°	40.3	39.5	38.6	39.5	39.5
57.5°	37.7	36.9	36.0	36.0	36.9
60°	36.0	34.3	33.4	34.3	35.2
62.5°	34.3	31.7	30.9	31.7	33.4
65°	33.4	30.0	28.3	30.0	32.6
67.5°	32.6	28.3	25.7	28.3	31.7
70°	31.7	26.6	23.2	26.6	30.9
72.5°	30.9	24.9	21.4	24.9	30.9
75°	30.9	23.2	18.9	23.2	30.0
77.5°	29.2	21.4	16.3	21.4	28.3
80°	25.7	19.7	13.7	18.9	24.0
82.5°	18.9	17.2	10.3	16.3	18.0
85°	10.3	12.0	6.9	11.1	9.4
87.5°	1.7	2.6	1.7	5.1	3.4



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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)