

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: P1309153

Luminaire Tested: P3SQAS13R359035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

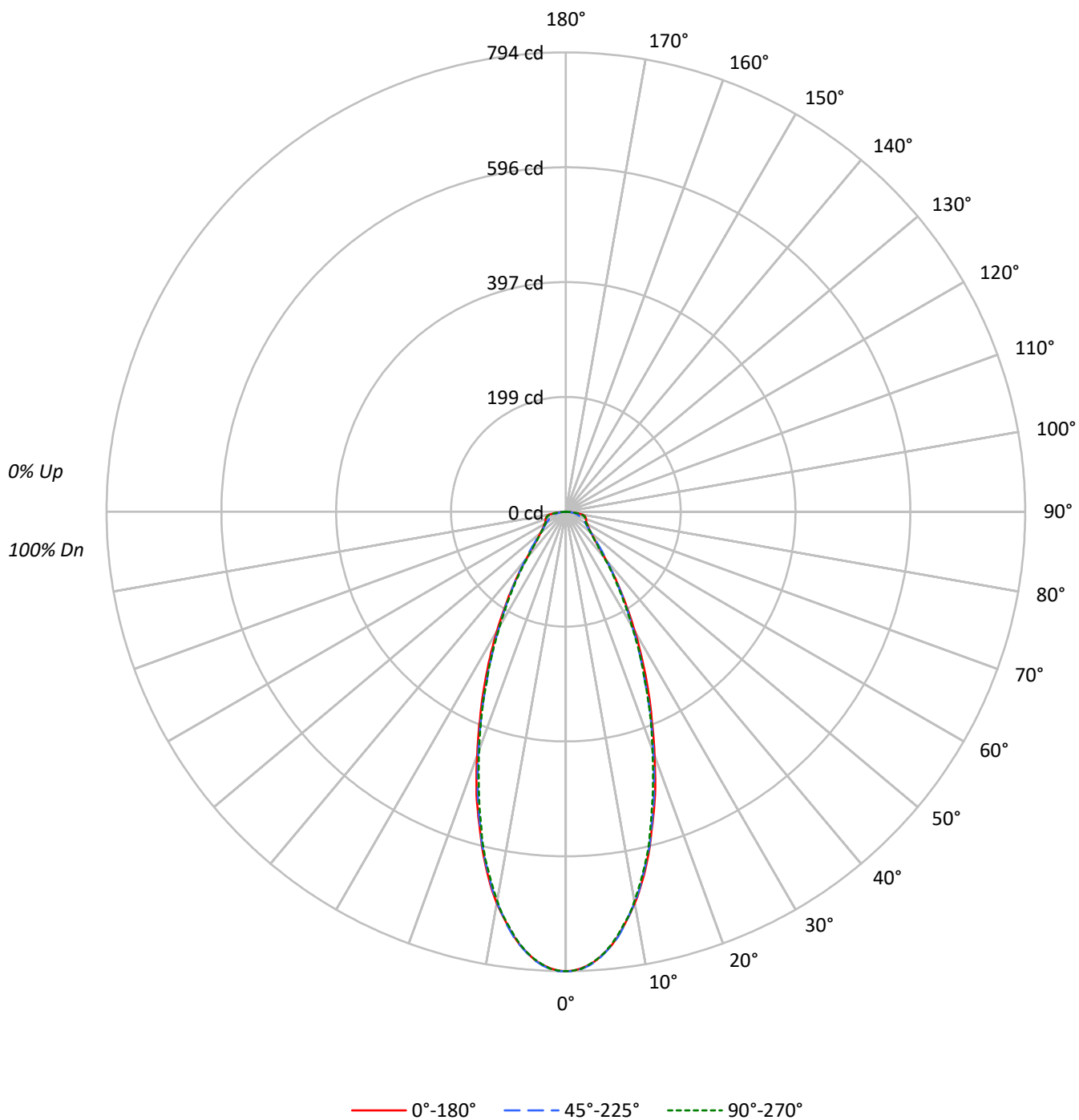
Lumens per Lamp: N/A
Luminaire Lumens: 657.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	136762	136762	136762
5°	132271	132444	132271
10°	120160	119985	119460
15°	102004	101648	100756
20°	82107	81008	80275
25°	63469	61569	61569
30°	47330	45739	45341
35°	34060	33639	32798
40°	23831	24505	22932
45°	17780	18754	17293
50°	15272	15272	15004
55°	14413	13812	14112
60°	14811	13433	14122
65°	15893	13448	15486
70°	18631	14099	18128
75°	23290	14639	22624
80°	29754	15869	26778
85°	23712	15808	23712

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 29754 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.5	10.7
10°-20°	157.4	24.0
20°-30°	150.3	22.9
30°-40°	101.0	15.4
40°-50°	59.3	9.0
50°-60°	42.4	6.5
60°-70°	35.3	5.4
70°-80°	28.9	4.4
80°-90°	11.9	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°	378.2	57.6
0°-40°	479.2	72.9
0°-60°	580.8	88.4
0°-90°	657.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	657.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	794	794	794	794	794	
5°	765	767	766	765	765	71
15°	572	573	570	566	565	159
25°	334	330	324	324	324	153
35°	162	162	160	157	156	103
45°	73	75	77	73	71	59
55°	48	47	46	46	47	44
65°	39	35	33	35	38	39
75°	35	27	22	27	34	36
85°	12	13	8	13	12	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	794.1	794.1	794.1	794.1	794.1
1°	793.1	794.1	794.1	793.1	793.1
2°	789.1	791.1	790.1	789.1	790.1
3°	784.1	786.1	785.1	784.1	783.1
4°	776.1	778.1	777.1	775.1	775.1
5°	765.1	767.1	766.1	765.1	765.1
6°	754.1	756.1	754.1	752.1	752.1
7°	739.1	742.1	740.1	738.1	737.1
8°	722.1	725.1	723.1	722.1	720.1
9°	705.1	707.1	704.1	704.1	704.1
10°	687.1	688.1	686.1	683.1	683.1
11°	667.1	666.1	665.1	663.1	661.1
12°	645.1	645.1	642.1	640.1	639.1
13°	622.1	621.1	619.1	617.1	617.1
14°	598.1	598.1	596.1	592.1	593.1
15°	572.1	573.1	570.1	566.1	565.1
17.5°	513.1	511.1	506.1	503.1	500.1
20°	448.0	447.0	442.0	439.0	438.0
22.5°	388.0	387.0	382.0	379.0	381.0
25°	334.0	330.0	324.0	324.0	324.0
27.5°	284.0	279.0	275.0	273.0	275.0
30°	238.0	234.0	230.0	229.0	228.0
32.5°	197.0	195.0	193.0	190.0	190.0
35°	162.0	162.0	160.0	157.0	156.0
37.5°	132.0	133.0	132.0	129.0	128.0
40°	106.0	108.0	109.0	106.0	102.0
42.5°	87.0	90.0	92.0	87.0	84.0
45°	73.0	75.0	77.0	73.0	71.0
47.5°	64.0	65.0	66.0	63.0	62.0
50°	57.0	57.0	57.0	56.0	56.0
52.5°	52.0	52.0	51.0	50.0	50.0
55°	48.0	47.0	46.0	46.0	47.0
57.5°	45.0	44.0	42.0	43.0	44.0
60°	43.0	41.0	39.0	40.0	41.0
62.5°	40.0	38.0	36.0	37.0	39.0
65°	39.0	35.0	33.0	35.0	38.0
67.5°	38.0	33.0	30.0	33.0	37.0
70°	37.0	31.0	28.0	31.0	36.0
72.5°	36.0	29.0	25.0	29.0	35.0
75°	35.0	27.0	22.0	27.0	34.0
77.5°	33.0	25.0	19.0	25.0	31.0
80°	30.0	23.0	16.0	22.0	27.0
82.5°	22.0	19.0	13.0	19.0	20.0
85°	12.0	13.0	8.0	13.0	12.0
87.5°	1.0	2.0	2.0	6.0	4.0



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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)