

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: P1309136

Luminaire Tested: P3SQAS13R309035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309136
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: P3SQAS13R309035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

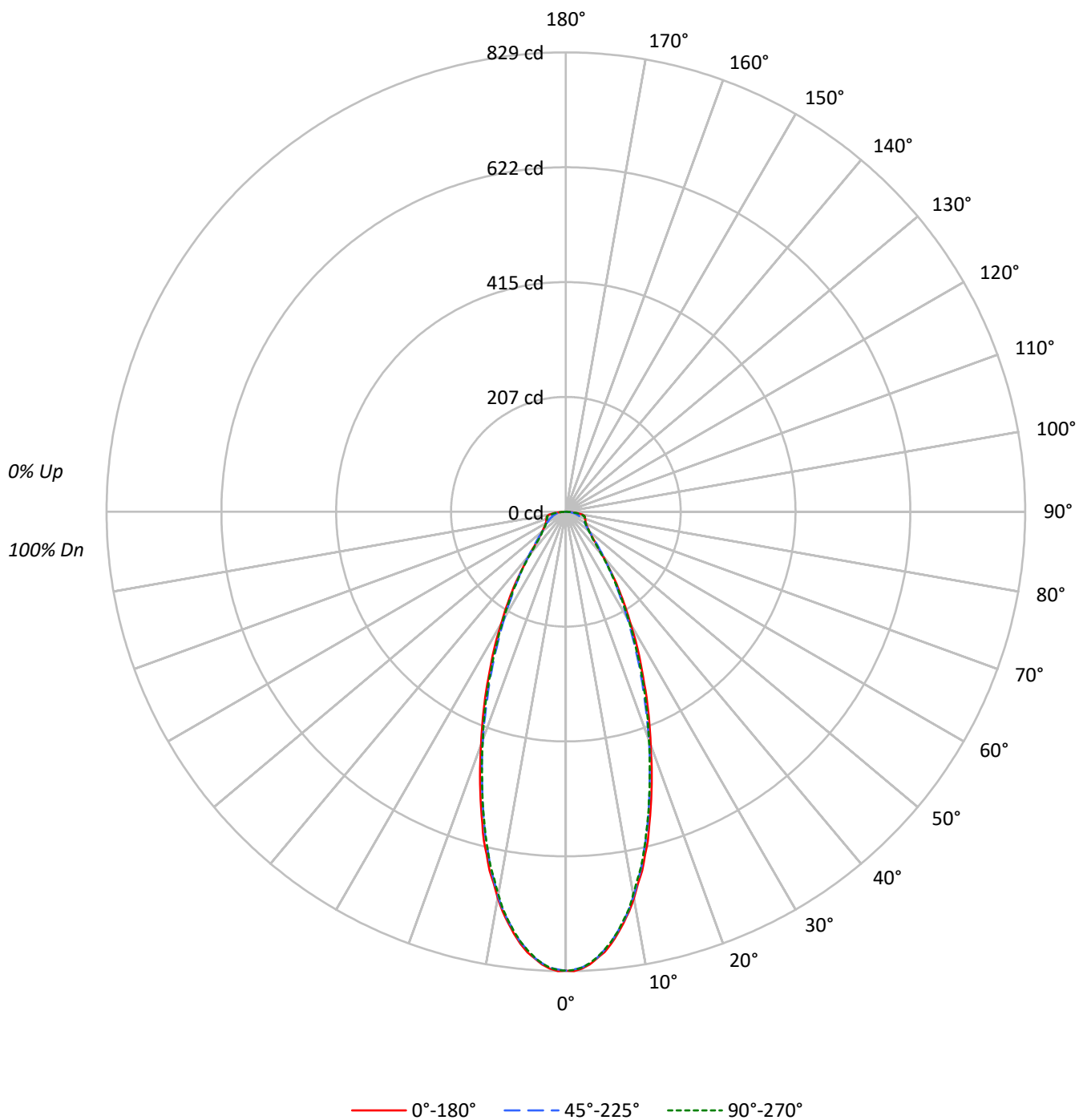
Lumens per Lamp: N/A
Luminaire Lumens: 653.0 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	142618	142618	142618
5°	137976	137284	137284
10°	123832	123133	122608
15°	103787	102165	101986
20°	81924	80275	80275
25°	62709	60238	61379
30°	46535	44148	45142
35°	33639	32167	32378
40°	23157	23606	22482
45°	17293	18023	16562
50°	15004	14736	14736
55°	14112	13512	13812
60°	14467	13433	14122
65°	15893	13448	15486
70°	18631	13596	18128
75°	23955	14639	23290
80°	29754	15869	27770
85°	23712	15808	21736

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°	73.0	11.2
10°-20°	158.8	24.3
20°-30°	147.9	22.7
30°-40°	98.1	15.0
40°-50°	57.1	8.8
50°-60°	41.6	6.4
60°-70°	35.2	5.4
70°-80°	29.1	4.5
80°-90°	12.1	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°	379.7	58.2
0°-40°	477.9	73.2
0°-60°	576.6	88.3
0°-90°	653.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	653.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	828	828	828	828	828	
5°	798	797	794	794	794	73
15°	582	576	573	572	572	161
25°	330	324	317	318	323	152
35°	160	157	153	154	154	101
45°	71	72	74	70	68	57
55°	47	46	45	46	46	43
65°	39	35	33	35	38	39
75°	36	27	22	27	35	37
85°	12	14	8	13	11	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	828.1	828.1	828.1	828.1	828.1
1°	829.1	828.1	826.1	827.1	827.1
2°	825.1	824.1	823.1	823.1	823.1
3°	818.1	817.1	816.1	816.1	816.1
4°	808.1	807.1	807.1	806.1	806.1
5°	798.1	797.1	794.1	794.1	794.1
6°	784.1	783.1	781.1	780.1	780.1
7°	767.1	767.1	764.1	763.1	764.1
8°	749.1	748.1	746.1	745.1	745.1
9°	730.1	727.1	727.1	724.1	726.1
10°	708.1	706.1	704.1	702.1	701.1
11°	683.1	682.1	679.1	677.1	676.1
12°	662.1	657.1	655.1	652.1	654.1
13°	635.1	632.1	627.1	626.1	627.1
14°	612.1	606.1	602.1	600.1	599.1
15°	582.1	576.1	573.0	572.0	572.0
17.5°	515.0	511.0	503.0	503.0	503.0
20°	447.0	443.0	438.0	437.0	438.0
22.5°	388.0	381.0	373.0	374.0	380.0
25°	330.0	324.0	317.0	318.0	323.0
27.5°	281.0	273.0	266.0	268.0	271.0
30°	234.0	229.0	222.0	224.0	227.0
32.5°	194.0	191.0	183.0	185.0	188.0
35°	160.0	157.0	153.0	154.0	154.0
37.5°	128.0	128.0	127.0	126.0	125.0
40°	103.0	105.0	105.0	102.0	100.0
42.5°	84.0	86.0	88.0	84.0	81.0
45°	71.0	72.0	74.0	70.0	68.0
47.5°	62.0	62.0	64.0	61.0	60.0
50°	56.0	56.0	55.0	54.0	55.0
52.5°	51.0	50.0	49.0	50.0	50.0
55°	47.0	46.0	45.0	46.0	46.0
57.5°	44.0	43.0	42.0	42.0	43.0
60°	42.0	40.0	39.0	40.0	41.0
62.5°	40.0	37.0	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	27.0	31.0	36.0
72.5°	36.0	29.0	25.0	29.0	36.0
75°	36.0	27.0	22.0	27.0	35.0
77.5°	34.0	25.0	19.0	25.0	33.0
80°	30.0	23.0	16.0	22.0	28.0
82.5°	22.0	20.0	12.0	19.0	21.0
85°	12.0	14.0	8.0	13.0	11.0
87.5°	2.0	3.0	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)