

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: P1306917

Luminaire Tested: P3SQAS13R359027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306917
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: P3SQAS13R359027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

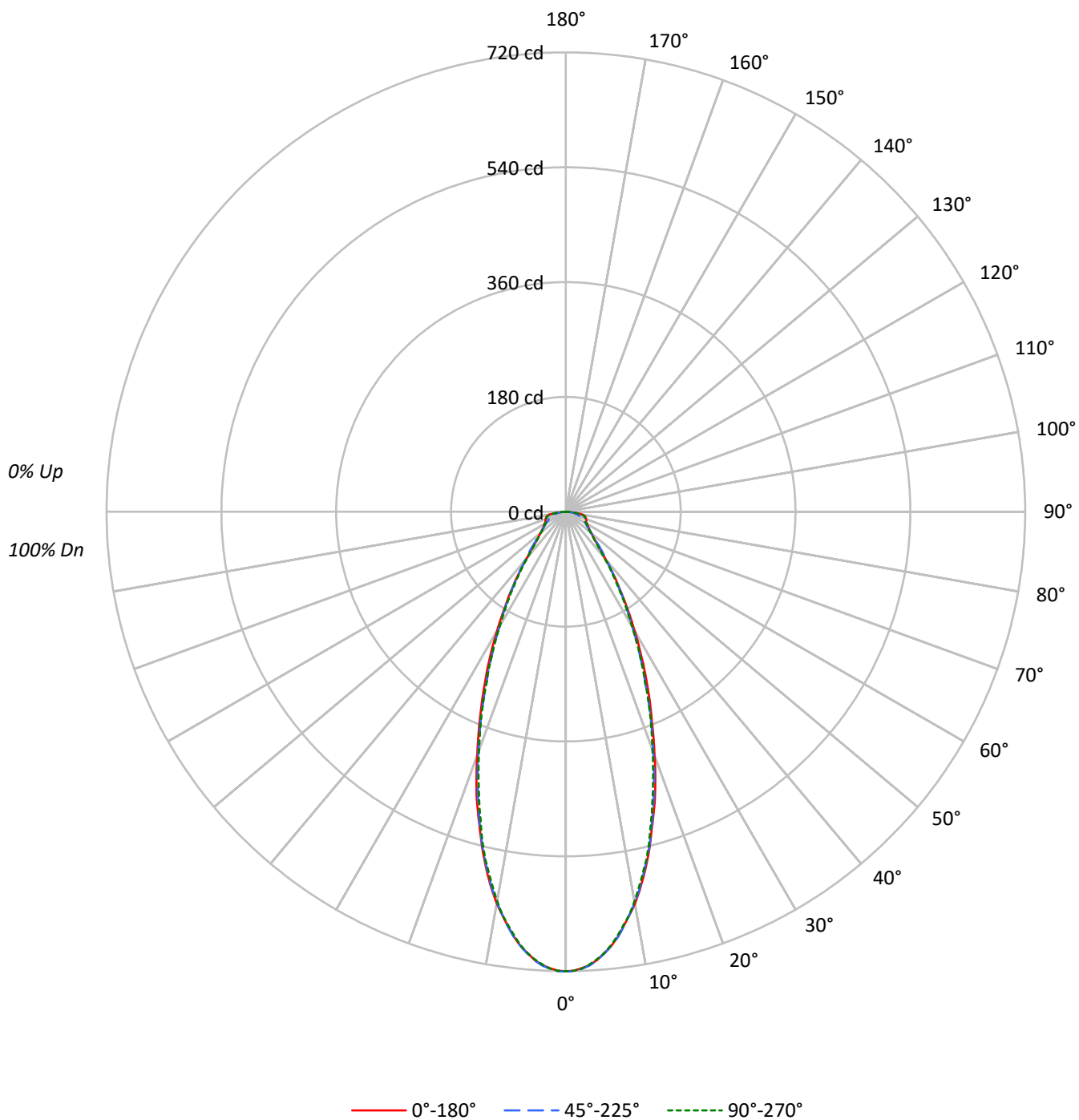
Lumens per Lamp: N/A
Luminaire Lumens: 596.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	124069	124069	124069
5°	119979	120152	119979
10°	109002	108845	108373
15°	92519	92198	91396
20°	74483	73493	72834
25°	57578	55849	55849
30°	42935	41503	41145
35°	30906	30528	29750
40°	21628	22235	20796
45°	16124	17025	15685
50°	13852	13852	13611
55°	13061	12521	12791
60°	13433	12193	12813
65°	14426	12185	14059
70°	16919	12790	16466
75°	21160	13308	20495
80°	26977	14381	24299
85°	21539	14425	21539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 26977 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.0	10.7
10°-20°	142.8	24.0
20°-30°	136.4	22.9
30°-40°	91.6	15.4
40°-50°	53.8	9.0
50°-60°	38.4	6.5
60°-70°	32.0	5.4
70°-80°	26.2	4.4
80°-90°	10.8	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°	343.1	57.6
0°-40°	434.7	72.9
0°-60°	526.9	88.4
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°	720	720	720	720	720	
5°	694	696	695	694	694	64
15°	519	520	517	514	513	144
25°	303	299	294	294	294	139
35°	147	147	145	142	142	93
45°	66	68	70	66	64	53
55°	44	43	42	42	43	40
65°	35	32	30	32	34	35
75°	32	24	20	24	31	33
85°	11	12	7	12	11	12
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	720.4	720.4	720.4	720.4	720.4
1°	719.4	720.4	720.4	719.4	719.4
2°	715.8	717.6	716.7	715.8	716.7
3°	711.3	713.1	712.2	711.3	710.4
4°	704.0	705.8	704.9	703.1	703.1
5°	694.0	695.9	695.0	694.0	694.0
6°	684.1	685.9	684.1	682.3	682.3
7°	670.5	673.2	671.4	669.5	668.6
8°	655.0	657.8	655.9	655.0	653.2
9°	639.6	641.4	638.7	638.7	638.7
10°	623.3	624.2	622.4	619.7	619.7
11°	605.1	604.2	603.3	601.5	599.7
12°	585.2	585.2	582.5	580.6	579.7
13°	564.3	563.4	561.6	559.8	559.8
14°	542.5	542.5	540.7	537.1	538.0
15°	518.9	519.9	517.1	513.5	512.6
17.5°	465.4	463.6	459.1	456.3	453.6
20°	406.4	405.5	401.0	398.3	397.4
22.5°	352.0	351.1	346.6	343.8	345.7
25°	303.0	299.4	293.9	293.9	293.9
27.5°	257.7	253.1	249.5	247.7	249.5
30°	215.9	212.3	208.7	207.8	206.9
32.5°	178.7	176.9	175.1	172.4	172.4
35°	147.0	147.0	145.2	142.4	141.5
37.5°	119.8	120.7	119.8	117.0	116.1
40°	96.2	98.0	98.9	96.2	92.5
42.5°	78.9	81.7	83.5	78.9	76.2
45°	66.2	68.0	69.9	66.2	64.4
47.5°	58.1	59.0	59.9	57.2	56.2
50°	51.7	51.7	51.7	50.8	50.8
52.5°	47.2	47.2	46.3	45.4	45.4
55°	43.5	42.6	41.7	41.7	42.6
57.5°	40.8	39.9	38.1	39.0	39.9
60°	39.0	37.2	35.4	36.3	37.2
62.5°	36.3	34.5	32.7	33.6	35.4
65°	35.4	31.8	29.9	31.8	34.5
67.5°	34.5	29.9	27.2	29.9	33.6
70°	33.6	28.1	25.4	28.1	32.7
72.5°	32.7	26.3	22.7	26.3	31.8
75°	31.8	24.5	20.0	24.5	30.8
77.5°	29.9	22.7	17.2	22.7	28.1
80°	27.2	20.9	14.5	20.0	24.5
82.5°	20.0	17.2	11.8	17.2	18.1
85°	10.9	11.8	7.3	11.8	10.9
87.5°	0.9	1.8	1.8	5.4	3.6



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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)