

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: P1306866

Luminaire Tested: P3SQAS13R209027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

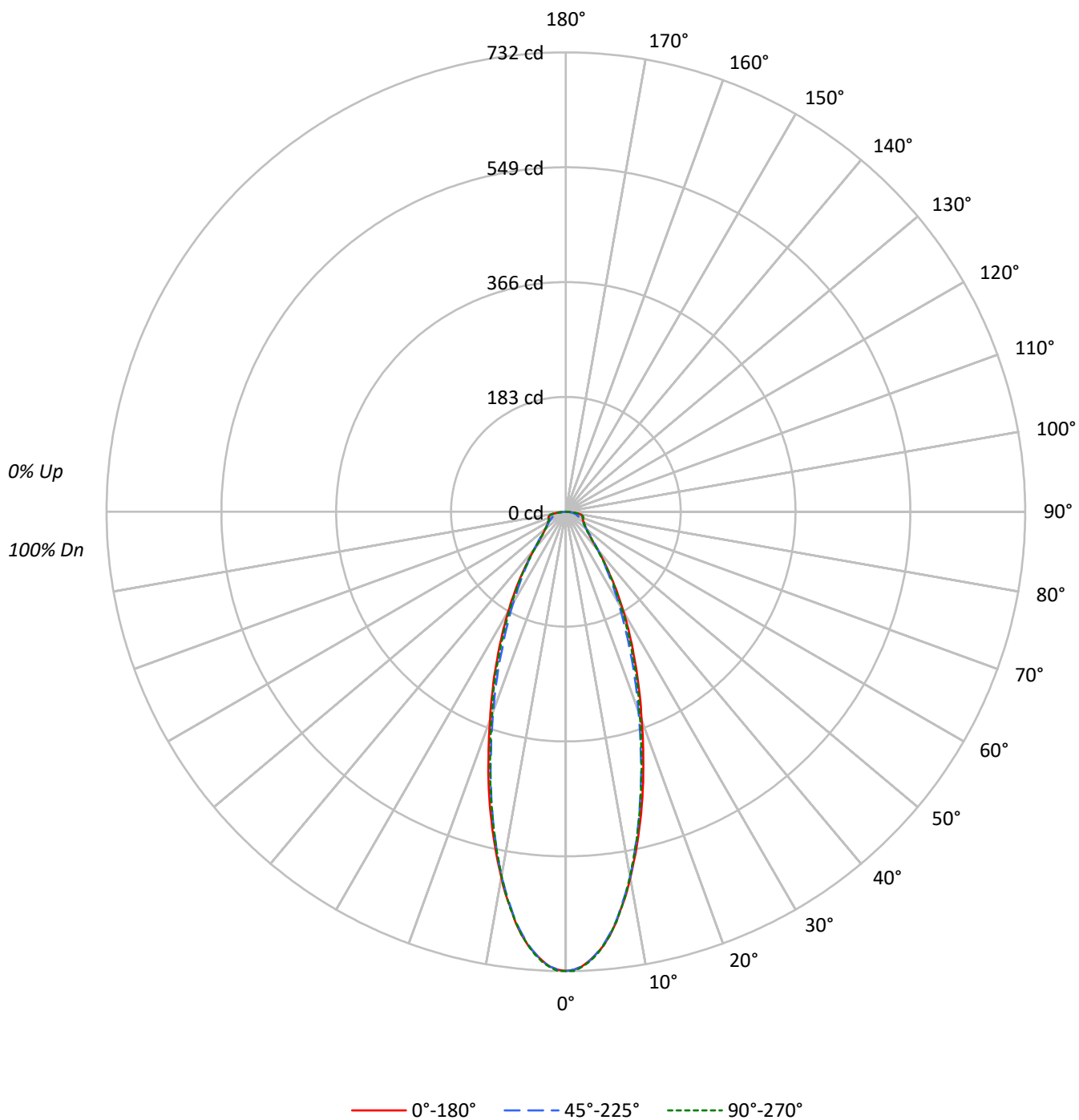
Lumens per Lamp: N/A
Luminaire Lumens: 516.0 lumens
Efficiency: N/A
Efficacy: 35.3 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	126015	126015	126015
5°	119910	119581	119910
10°	103511	103196	103039
15°	83996	82071	82392
20°	64715	61892	63065
25°	49160	45549	47792
30°	36472	33211	35378
35°	25776	24052	25377
40°	17761	17761	17356
45°	13055	13712	13055
50°	11441	11441	11441
55°	10899	10629	10899
60°	11263	10333	11263
65°	12225	10351	12225
70°	14603	10524	14603
75°	18698	11445	18698
80°	23406	11703	22514
85°	17982	10671	19760

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 23406 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.8	12.2
10°-20°	128.2	24.8
20°-30°	114.4	22.2
30°-40°	75.1	14.6
40°-50°	43.7	8.5
50°-60°	32.4	6.3
60°-70°	27.4	5.3
70°-80°	22.6	4.4
80°-90°	9.4	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°	305.4	59.2
0°-40°	380.5	73.7
0°-60°	456.6	88.5
0°-90°	516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	732	732	732	732	732	
5°	694	693	692	693	694	63
15°	471	467	460	461	462	130
25°	259	252	240	246	252	119
35°	123	119	114	118	121	78
45°	54	54	56	54	54	43
55°	36	35	35	35	36	33
65°	30	27	25	27	30	30
75°	28	21	17	21	28	29
85°	9	10	5	10	10	11
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	731.7	731.7	731.7	731.7	731.7
1°	729.9	730.8	729.9	730.8	731.7
2°	725.3	726.2	725.3	725.3	726.2
3°	716.3	717.2	717.2	717.2	718.1
4°	705.4	706.3	705.4	706.3	707.2
5°	693.6	692.6	691.7	692.6	693.6
6°	677.2	676.3	675.4	676.3	677.2
7°	659.1	658.2	657.2	657.2	658.2
8°	636.4	637.3	634.6	636.4	637.3
9°	616.4	614.6	612.8	612.8	614.6
10°	591.9	590.1	590.1	589.2	589.2
12.5°	532.0	528.3	525.6	525.6	526.5
15°	471.1	466.6	460.3	461.2	462.1
17.5°	410.3	404.9	396.7	398.5	400.3
20°	353.1	347.7	337.7	341.3	344.1
22.5°	304.1	295.9	286.9	289.6	298.7
25°	258.7	251.5	239.7	246.0	251.5
27.5°	218.8	210.6	200.6	207.0	212.4
30°	183.4	176.1	167.0	172.5	177.9
32.5°	151.6	145.2	138.9	142.5	147.1
35°	122.6	118.9	114.4	118.0	120.7
37.5°	98.9	97.1	95.3	97.1	96.2
40°	79.0	79.9	79.0	79.0	77.2
42.5°	62.6	65.4	66.3	64.5	62.6
45°	53.6	54.5	56.3	54.5	53.6
47.5°	47.2	47.2	48.1	47.2	46.3
50°	42.7	42.7	42.7	42.7	42.7
52.5°	39.0	39.0	38.1	39.0	39.0
55°	36.3	35.4	35.4	35.4	36.3
57.5°	34.5	33.6	32.7	33.6	34.5
60°	32.7	30.9	30.0	30.9	32.7
62.5°	30.9	29.0	28.1	29.0	30.9
65°	30.0	27.2	25.4	27.2	30.0
67.5°	29.0	25.4	23.6	25.4	30.0
70°	29.0	23.6	20.9	24.5	29.0
72.5°	28.1	22.7	19.1	22.7	28.1
75°	28.1	20.9	17.2	20.9	28.1
77.5°	26.3	19.1	14.5	19.1	26.3
80°	23.6	17.2	11.8	17.2	22.7
82.5°	17.2	14.5	9.1	14.5	17.2
85°	9.1	10.0	5.4	10.0	10.0
87.5°	0.9	3.6	1.8	5.4	4.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)