

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: P1316381

Luminaire Tested: P3SQAS17R259827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316381
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

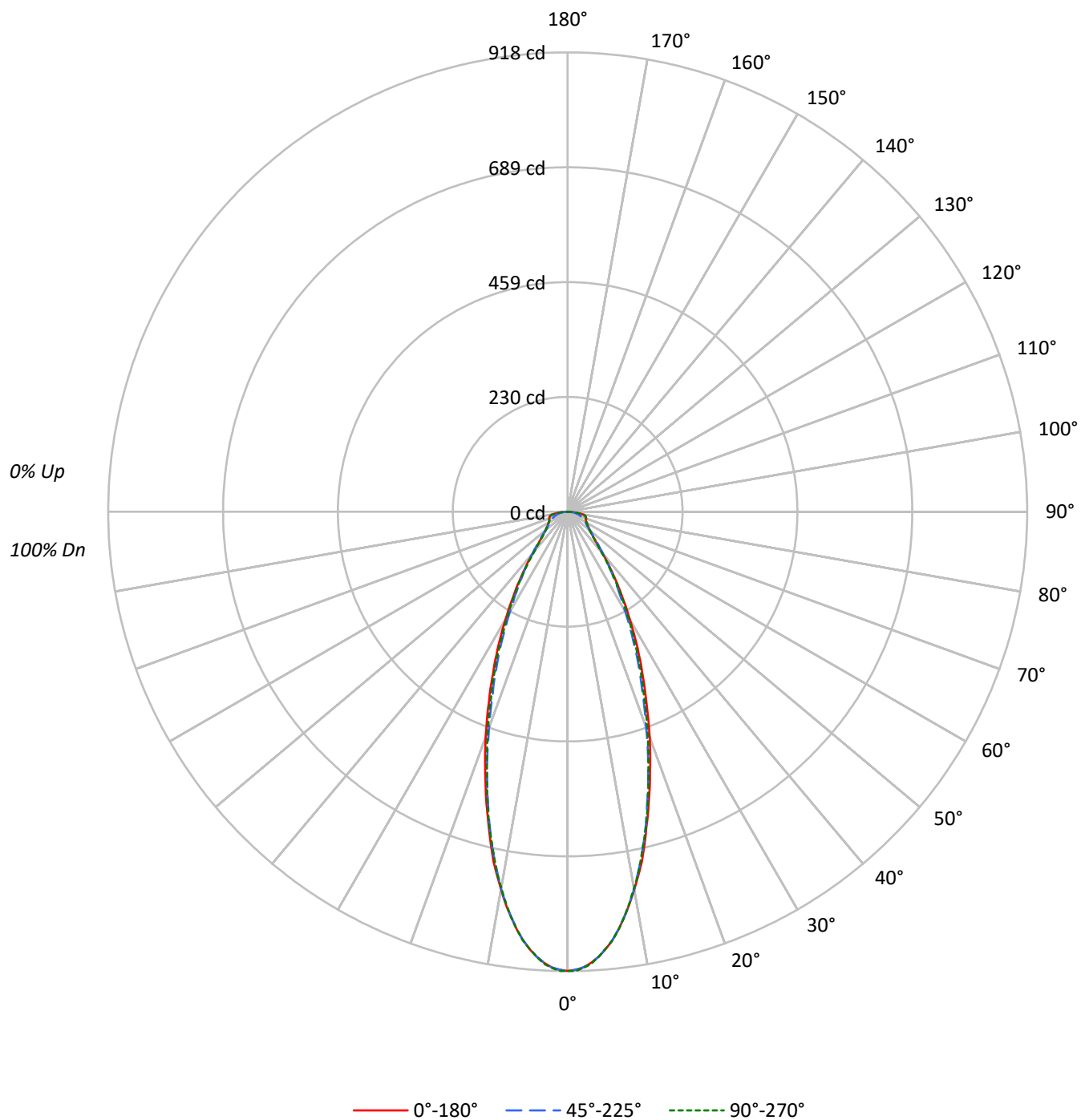
Lumens per Lamp: N/A
Luminaire Lumens: 693.0 lumens
Efficiency: N/A
Efficacy: 34.0 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	158031	158031	158031
5°	151633	151443	151443
10°	134045	133853	133468
15°	110687	109136	109725
20°	87697	84087	85498
25°	66794	63260	64913
30°	49219	45719	47688
35°	35216	33618	34081
40°	24123	24618	23381
45°	17877	18925	17609
50°	15540	15540	15245
55°	14803	14142	14803
60°	15087	13950	15087
65°	16504	14263	16504
70°	19840	14351	19286
75°	24754	15305	24754
80°	31539	16265	29357
85°	25886	15215	25886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 31539 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.1	11.6
10°-20°	170.1	24.6
20°-30°	155.9	22.5
30°-40°	102.8	14.8
40°-50°	59.8	8.6
50°-60°	43.7	6.3
60°-70°	37.1	5.4
70°-80°	30.7	4.4
80°-90°	12.7	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°	406.1	58.6
0°-40°	508.9	73.4
0°-60°	612.5	88.4
0°-90°	693.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	693.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	918	918	918	918	918	
5°	877	876	876	877	876	80
15°	621	619	612	614	615	172
25°	352	342	333	334	342	162
35°	168	164	160	160	162	106
45°	73	76	78	73	72	59
55°	49	49	47	48	49	45
65°	40	37	35	37	40	40
75°	37	28	23	28	37	39
85°	13	14	8	14	13	15
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	917.6	917.6	917.6	917.6	917.6
1°	915.4	915.4	915.4	915.4	917.6
2°	911.0	909.9	911.0	911.0	912.1
3°	902.3	902.3	902.3	902.3	904.4
4°	891.3	891.3	891.3	891.3	891.3
5°	877.1	876.0	876.0	877.1	876.0
6°	859.6	859.6	859.6	859.6	860.6
7°	839.8	838.7	838.7	837.7	839.8
8°	816.8	816.8	815.8	814.7	816.8
9°	792.8	793.9	791.7	790.6	790.6
10°	766.5	765.4	765.4	765.4	763.2
11°	740.2	736.9	735.8	735.8	738.0
12°	713.9	708.4	706.3	706.3	706.3
13°	682.2	680.0	676.7	674.5	675.6
14°	650.4	650.4	644.9	644.9	647.1
15°	620.8	618.7	612.1	614.3	615.4
17.5°	547.5	543.1	535.4	535.4	536.5
20°	478.5	470.8	458.8	464.3	466.5
22.5°	410.6	402.9	390.9	396.4	398.6
25°	351.5	341.6	332.9	334.0	341.6
27.5°	297.8	286.9	278.1	281.4	285.8
30°	247.5	240.9	229.9	235.4	239.8
32.5°	204.8	199.3	191.6	194.9	199.3
35°	167.5	164.2	159.9	159.9	162.1
37.5°	135.8	134.7	132.5	131.4	130.3
40°	107.3	109.5	109.5	107.3	104.0
42.5°	87.6	89.8	92.0	87.6	84.3
45°	73.4	75.6	77.7	73.4	72.3
47.5°	64.6	65.7	66.8	64.6	63.5
50°	58.0	58.0	58.0	56.9	56.9
52.5°	53.7	52.6	51.5	52.6	52.6
55°	49.3	49.3	47.1	48.2	49.3
57.5°	46.0	44.9	43.8	44.9	46.0
60°	43.8	41.6	40.5	41.6	43.8
62.5°	41.6	39.4	37.2	39.4	41.6
65°	40.5	37.2	35.0	37.2	40.5
67.5°	39.4	35.0	31.8	35.0	39.4
70°	39.4	32.8	28.5	32.8	38.3
72.5°	38.3	30.7	26.3	30.7	38.3
75°	37.2	28.5	23.0	28.5	37.2
77.5°	36.1	26.3	19.7	26.3	35.0
80°	31.8	24.1	16.4	24.1	29.6
82.5°	23.0	19.7	13.1	19.7	21.9
85°	13.1	14.2	7.7	14.2	13.1
87.5°	2.2	3.3	2.2	5.5	4.4



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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)