

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: P1316252

Luminaire Tested: P3SQAS13R309827DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316252
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: P3SQAS13R309827DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

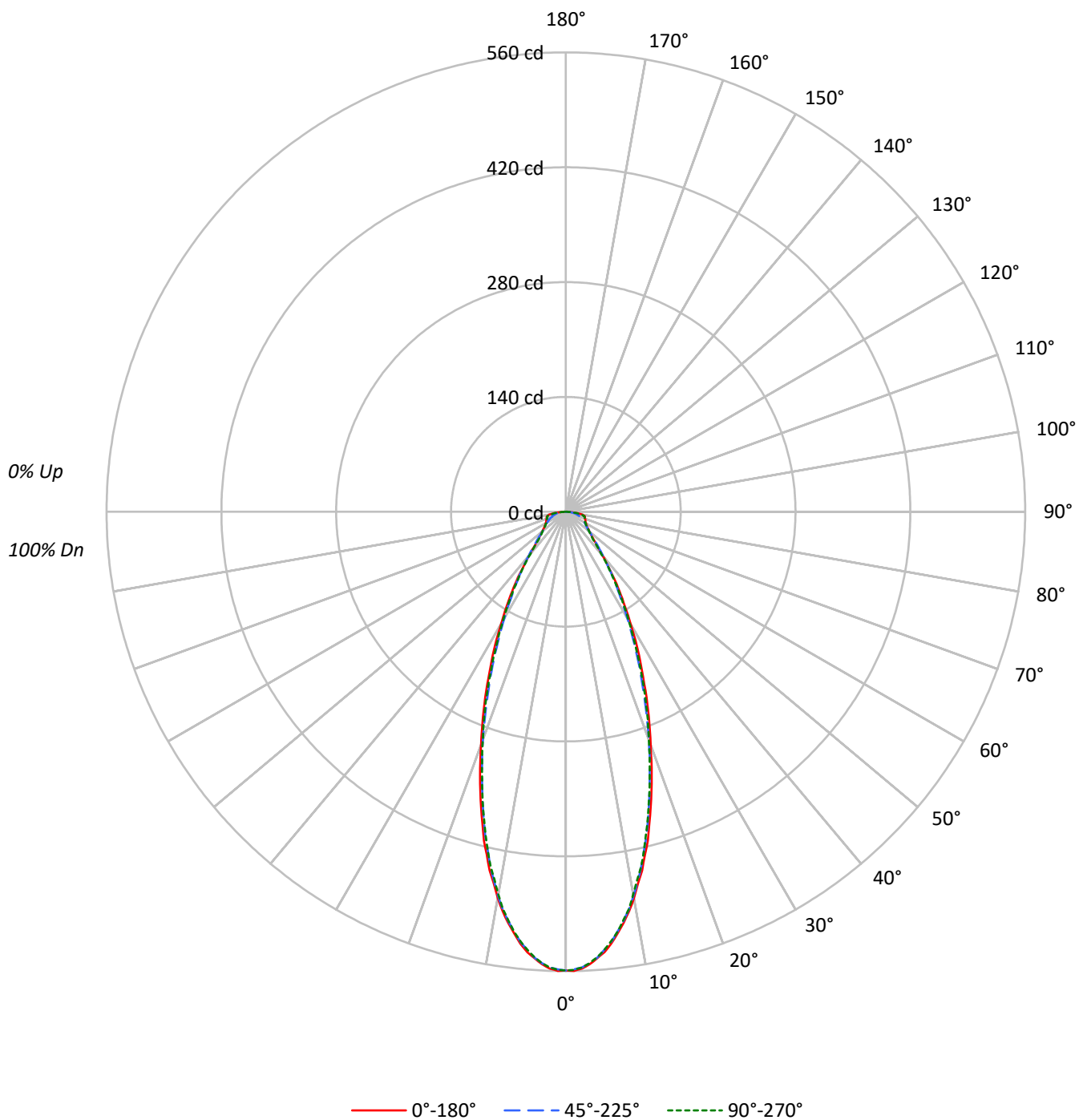
Lumens per Lamp: N/A
Luminaire Lumens: 441.0 lumens
Efficiency: N/A
Efficacy: 30.4 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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°	96307	96307	96307
5°	93183	92716	92716
10°	83627	83155	82805
15°	70089	69001	68877
20°	55331	54213	54213
25°	42357	40685	41464
30°	31421	29810	30486
35°	22727	21718	21865
40°	15648	15940	15175
45°	11691	12178	11179
50°	10128	9940	9940
55°	9518	9128	9338
60°	9782	9059	9541
65°	10718	9088	10473
70°	12589	9165	12236
75°	16170	9915	15704
80°	20133	10711	18745
85°	16006	10671	14623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 20133 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	11.2
10°-20°	107.2	24.3
20°-30°	99.9	22.7
30°-40°	66.3	15.0
40°-50°	38.6	8.8
50°-60°	28.1	6.4
60°-70°	23.7	5.4
70°-80°	19.7	4.5
80°-90°	8.2	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°	256.4	58.2
0°-40°	322.7	73.2
0°-60°	389.4	88.3
0°-90°	441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	441.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	559	559	559	559	559	
5°	539	538	536	536	536	49
15°	393	389	387	386	386	109
25°	223	219	214	215	218	103
35°	108	106	103	104	104	68
45°	48	49	50	47	46	38
55°	32	31	30	31	31	29
65°	26	24	22	24	26	26
75°	24	18	15	18	24	25
85°	8	10	5	9	7	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	559.2	559.2	559.2	559.2	559.2
1°	559.9	559.2	557.9	558.6	558.6
2°	557.2	556.5	555.9	555.9	555.9
3°	552.5	551.8	551.1	551.1	551.1
4°	545.7	545.1	545.1	544.4	544.4
5°	539.0	538.3	536.3	536.3	536.3
6°	529.5	528.8	527.5	526.8	526.8
7°	518.0	518.0	516.0	515.3	516.0
8°	505.9	505.2	503.9	503.2	503.2
9°	493.0	491.0	491.0	489.0	490.3
10°	478.2	476.8	475.5	474.1	473.5
11°	461.3	460.6	458.6	457.2	456.6
12°	447.1	443.7	442.4	440.4	441.7
13°	428.9	426.9	423.5	422.8	423.5
14°	413.3	409.3	406.6	405.2	404.6
15°	393.1	389.0	387.0	386.3	386.3
17.5°	347.8	345.1	339.7	339.7	339.7
20°	301.9	299.2	295.8	295.2	295.8
22.5°	262.1	257.3	251.9	252.6	256.7
25°	222.9	218.8	214.1	214.8	218.2
27.5°	189.8	184.4	179.7	181.0	183.0
30°	158.0	154.7	149.9	151.3	153.3
32.5°	131.0	129.0	123.6	124.9	127.0
35°	108.1	106.0	103.3	104.0	104.0
37.5°	86.5	86.5	85.8	85.1	84.4
40°	69.6	70.9	70.9	68.9	67.5
42.5°	56.7	58.1	59.4	56.7	54.7
45°	48.0	48.6	50.0	47.3	45.9
47.5°	41.9	41.9	43.2	41.2	40.5
50°	37.8	37.8	37.1	36.5	37.1
52.5°	34.4	33.8	33.1	33.8	33.8
55°	31.7	31.1	30.4	31.1	31.1
57.5°	29.7	29.0	28.4	28.4	29.0
60°	28.4	27.0	26.3	27.0	27.7
62.5°	27.0	25.0	24.3	25.0	26.3
65°	26.3	23.6	22.3	23.6	25.7
67.5°	25.7	22.3	20.3	22.3	25.0
70°	25.0	20.9	18.2	20.9	24.3
72.5°	24.3	19.6	16.9	19.6	24.3
75°	24.3	18.2	14.9	18.2	23.6
77.5°	23.0	16.9	12.8	16.9	22.3
80°	20.3	15.5	10.8	14.9	18.9
82.5°	14.9	13.5	8.1	12.8	14.2
85°	8.1	9.5	5.4	8.8	7.4
87.5°	1.4	2.0	1.4	4.1	2.7



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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)