

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: P1309128

Luminaire Tested: P3SQAS13R309035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R309035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

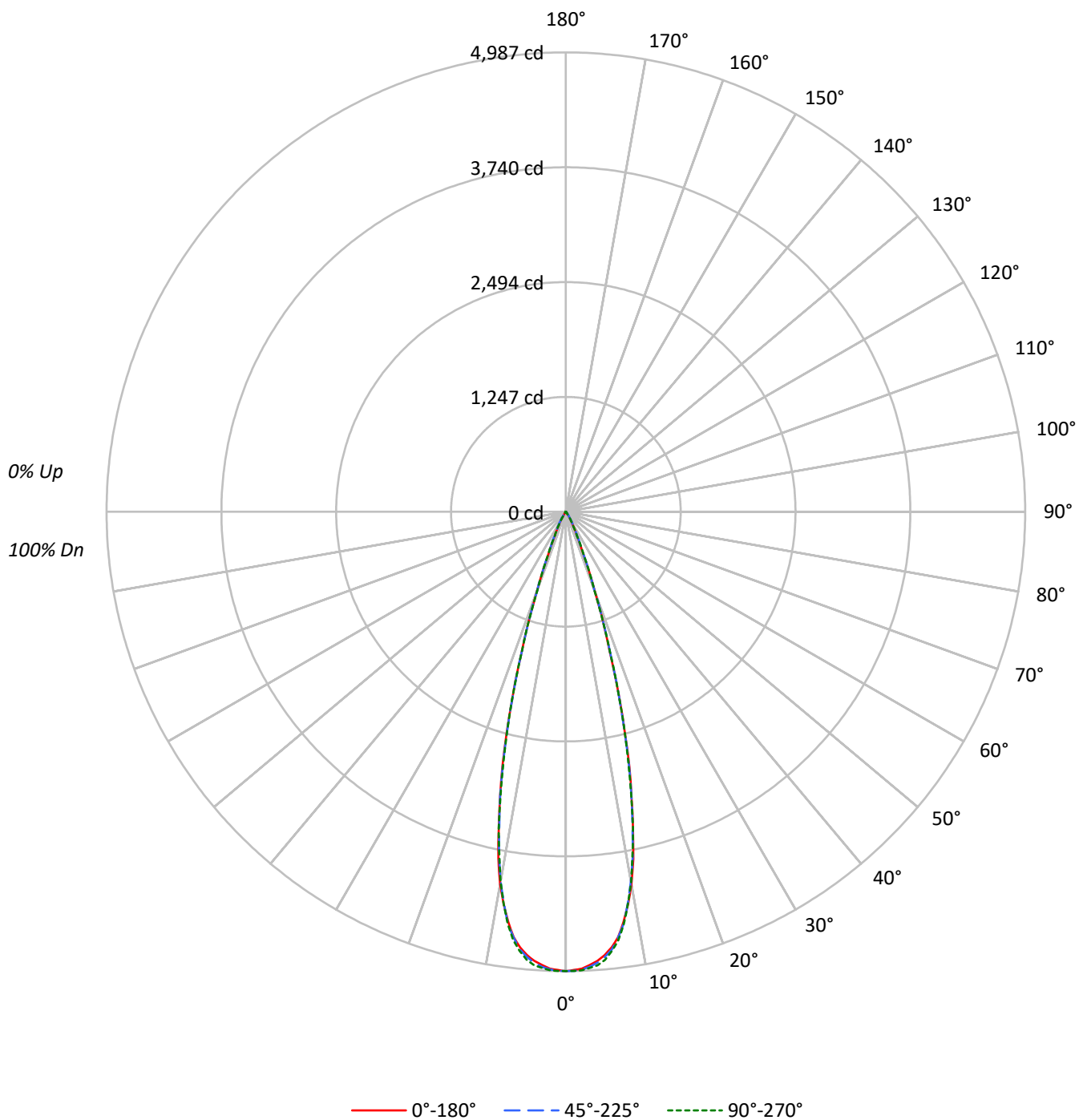
Lumens per Lamp: N/A
Luminaire Lumens: 1297.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93
5	102	96	92	89	100	95	91	89	94	90	88		92	89	87		91
6	99	93	89	86	98	92	88	85	91	87	85		90	87	84		88
7	96	90	86	83	95	89	85	83	88	85	82		87	84	82		86
8	94	87	83	80	93	87	83	80	86	82	80		85	82	80		84
9	91	85	81	78	90	84	80	78	83	80	78		83	80	77		82
10	89	82	78	76	88	82	78	76	81	78	76		81	78	75		80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	858857	858857	858857
5°	835341	838972	844158
10°	718300	712179	712879
15°	441377	437811	438167
20°	167972	168339	165223
25°	53435	56286	53626
30°	21497	26668	22094
35°	6938	11774	6938
40°	3147	5171	3147
45°	1218	2192	1218
50°	536	1072	536
55°	601	601	601
60°	689	689	689
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.9	33.9
10°-20°	652.6	50.3
20°-30°	162.1	12.5
30°-40°	32.4	2.5
40°-50°	5.9	0.5
50°-60°	1.8	0.1
60°-70°	1.4	0.1
70°-80°	0.9	0.1
80°-90°	0.0	0.0
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°	1254.6	96.7
0°-40°	1287.0	99.2
0°-60°	1294.7	99.8
0°-90°	1297.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1297.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4987	4987	4987	4987	4987	
5°	4832	4848	4853	4860	4883	439
15°	2476	2480	2456	2464	2458	655
25°	281	287	296	292	282	158
35°	33	43	56	42	33	27
45°	5	6	9	7	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4986.9	4986.9	4986.9	4986.9	4986.9
1°	4975.9	4981.9	4985.9	4985.9	4985.9
2°	4961.9	4965.9	4971.9	4972.9	4980.9
3°	4928.9	4937.9	4947.9	4953.9	4957.9
4°	4888.9	4900.9	4906.9	4921.9	4934.9
5°	4831.9	4847.9	4852.9	4859.9	4882.9
6°	4754.8	4766.8	4776.8	4779.8	4793.8
7°	4652.7	4658.8	4656.8	4661.8	4686.8
8°	4497.7	4499.7	4516.7	4505.7	4522.7
9°	4313.5	4305.5	4301.5	4309.5	4310.5
10°	4107.4	4080.4	4072.4	4065.4	4076.4
11°	3840.3	3805.2	3808.3	3806.2	3790.2
12°	3508.1	3504.1	3478.1	3483.1	3507.1
13°	3168.9	3175.9	3170.9	3176.9	3149.9
14°	2850.7	2816.7	2825.7	2791.6	2804.7
15°	2475.5	2480.5	2455.5	2463.5	2457.5
17.5°	1584.9	1595.9	1587.9	1580.9	1591.9
20°	916.5	915.5	918.5	909.5	901.5
22.5°	482.3	489.3	498.3	499.3	505.3
25°	281.2	287.2	296.2	292.2	282.2
27.5°	172.1	183.1	197.1	187.1	175.1
30°	108.1	117.1	134.1	118.1	111.1
32.5°	61.0	74.0	88.1	74.0	61.0
35°	33.0	43.0	56.0	42.0	33.0
37.5°	22.0	25.0	37.0	25.0	22.0
40°	14.0	17.0	23.0	17.0	14.0
42.5°	8.0	11.0	13.0	11.0	8.0
45°	5.0	6.0	9.0	7.0	5.0
47.5°	2.0	3.0	6.0	3.0	3.0
50°	2.0	2.0	4.0	2.0	2.0
52.5°	2.0	2.0	2.0	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)