

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: P1308170

Luminaire Tested: P3SQAS17R309030DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309030DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

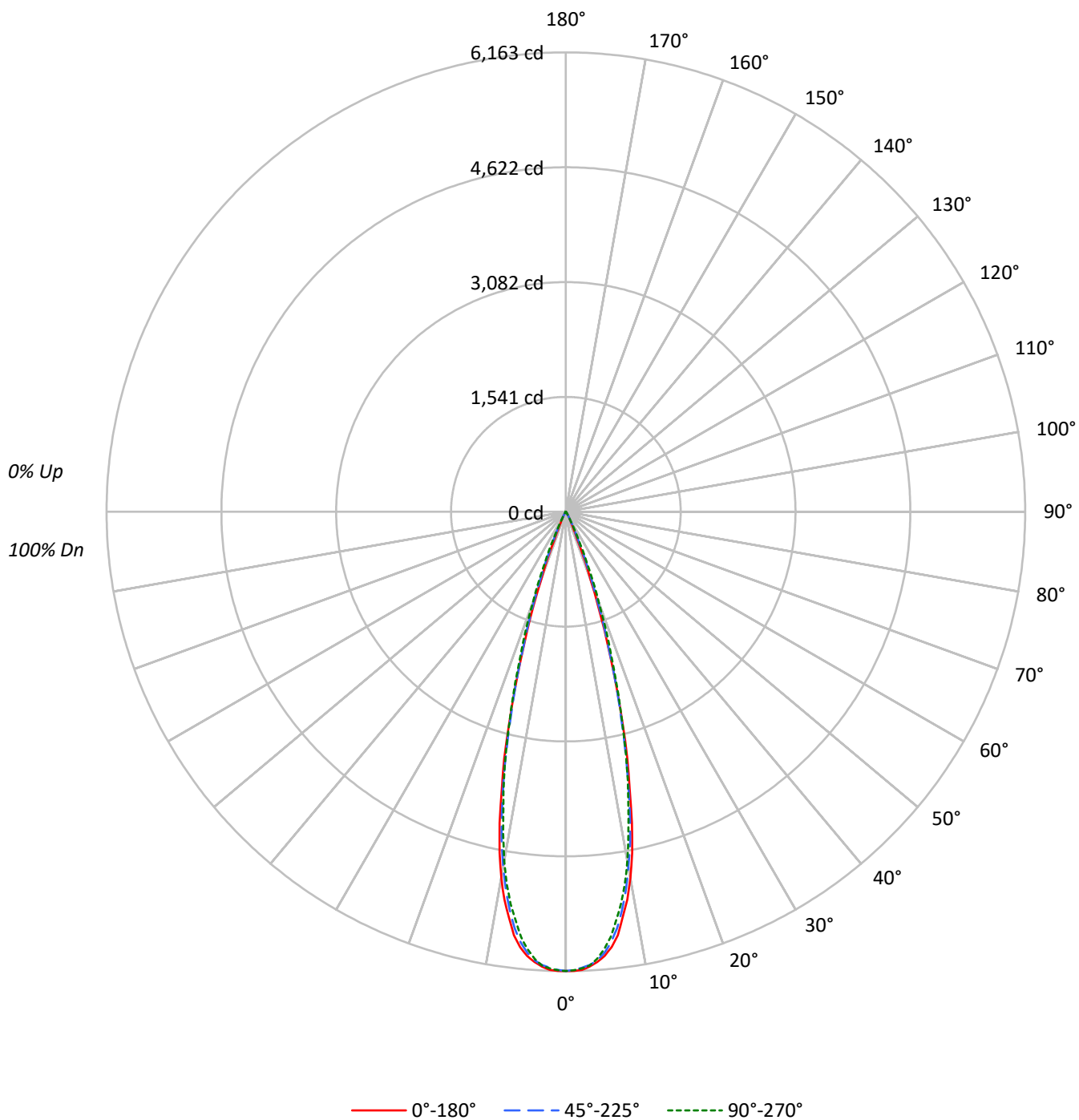
Lumens per Lamp: N/A
Luminaire Lumens: 1493.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1061184	1061184	1061184
5°	1033860	1026737	1018283
10°	872491	845700	831972
15°	525783	511091	520505
20°	178345	205947	237562
25°	32780	51364	60657
30°	11256	12548	14080
35°	3238	4058	4331
40°	877	1439	1147
45°	317	317	317
50°	348	0	348
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.8	35.7
10°-20°	778.7	52.2
20°-30°	164.8	11.0
30°-40°	15.2	1.0
40°-50°	1.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1476.3	98.9
0°-40°	1491.4	99.9
0°-60°	1493.0	100.0
0°-90°	1493.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1493.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6162	6162	6162	6162	6162	
5°	5980	5969	5939	5921	5890	540
15°	2949	2939	2866	2934	2919	778
25°	172	193	270	318	319	126
35°	15	19	19	23	21	13
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6161.7	6161.7	6161.7	6161.7	6161.7
1°	6163.0	6156.5	6147.5	6160.4	6151.4
2°	6150.1	6134.6	6121.8	6134.6	6130.8
3°	6111.5	6098.6	6089.6	6096.0	6096.0
4°	6053.5	6039.4	6031.7	6033.0	6013.6
5°	5980.2	5968.6	5939.0	5921.0	5890.1
6°	5872.1	5843.7	5807.7	5778.1	5738.2
7°	5725.3	5681.6	5630.1	5578.6	5528.4
8°	5489.8	5469.2	5399.7	5364.9	5314.7
9°	5268.4	5218.2	5143.5	5086.9	5059.9
10°	4989.1	4914.4	4835.9	4790.8	4757.4
11°	4658.3	4582.3	4519.2	4453.6	4402.1
12°	4269.5	4205.2	4133.1	4089.3	4028.8
13°	3808.7	3799.7	3718.6	3704.5	3696.7
14°	3413.6	3377.5	3297.7	3319.6	3324.8
15°	2948.9	2938.6	2866.5	2933.5	2919.3
17.5°	1847.1	1850.9	1896.0	2001.5	2035.0
20°	973.1	1002.7	1123.7	1251.1	1296.2
22.5°	393.9	459.5	583.1	669.3	727.2
25°	172.5	193.1	270.3	317.9	319.2
27.5°	97.8	99.1	130.0	135.2	137.7
30°	56.6	57.9	63.1	66.9	70.8
32.5°	30.9	33.5	34.8	39.9	39.9
35°	15.4	19.3	19.3	23.2	20.6
37.5°	9.0	10.3	11.6	11.6	10.3
40°	3.9	5.1	6.4	6.4	5.1
42.5°	1.3	2.6	2.6	2.6	3.9
45°	1.3	1.3	1.3	1.3	1.3
47.5°	1.3	1.3	0.0	1.3	1.3
50°	1.3	0.0	0.0	0.0	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)