

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: P1313197

Luminaire Tested: P3SQAS09R159730DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R159730DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

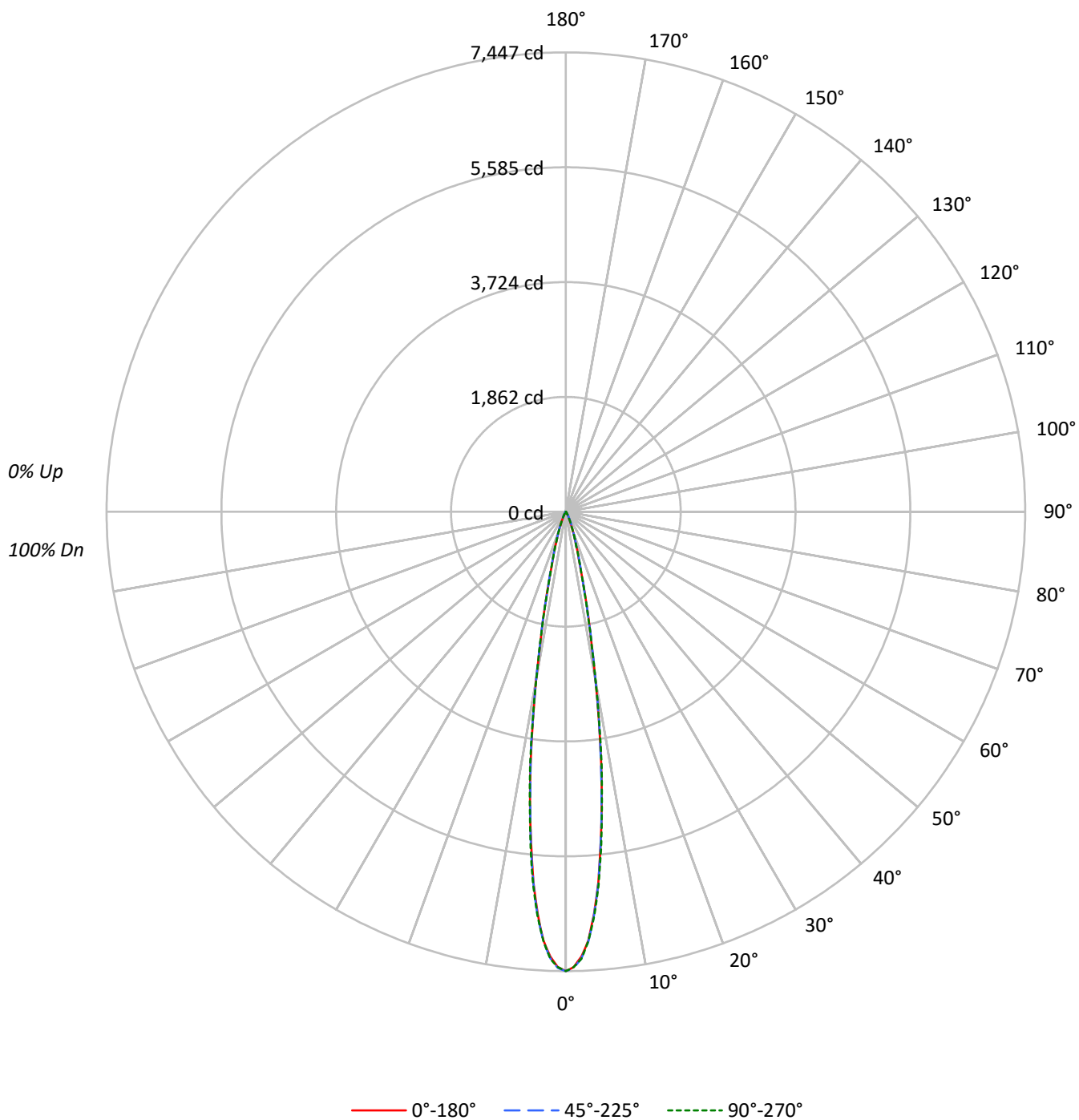
Lumens per Lamp: N/A
Luminaire Lumens: 836.0 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	86		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1282525	1282525	1282525
5°	1042867	1046498	1050128
10°	485675	486147	483507
15°	150270	155654	152730
20°	59913	63285	59180
25°	25065	29568	23829
30°	10182	13583	9406
35°	3322	6202	3028
40°	1192	2518	1192
45°	487	804	487
50°	348	536	348
55°	390	390	390
60°	448	448	448
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 804 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.1	55.8
10°-20°	278.7	33.3
20°-30°	70.9	8.5
30°-40°	15.4	1.8
40°-50°	2.5	0.3
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.5	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°	815.7	97.6
0°-40°	831.2	99.4
0°-60°	834.8	99.9
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7447	7447	7447	7447	7447	
5°	6032	6041	6053	6026	6074	465
15°	843	866	873	860	857	277
25°	132	141	156	138	125	67
35°	16	20	30	20	14	12
45°	2	3	3	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	0
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°	7446.9	7446.9	7446.9	7446.9	7446.9
1°	7381.9	7394.4	7396.3	7394.4	7383.9
2°	7215.8	7252.6	7244.7	7229.0	7251.3
3°	6959.2	6977.6	6974.9	6976.2	6971.0
4°	6541.7	6573.9	6555.5	6569.3	6570.6
5°	6032.3	6040.9	6053.3	6025.8	6074.3
6°	5405.5	5460.0	5412.0	5459.3	5478.3
7°	4768.1	4799.6	4738.6	4771.4	4791.1
8°	4116.3	4061.2	4094.6	4095.3	4160.3
9°	3412.6	3423.8	3452.0	3419.9	3448.1
10°	2777.2	2802.8	2779.9	2768.7	2764.8
11°	2193.0	2221.9	2220.0	2223.2	2201.6
12°	1764.4	1749.3	1759.2	1727.0	1741.4
13°	1373.2	1373.8	1366.0	1352.8	1341.0
14°	1075.8	1069.3	1087.7	1071.2	1056.2
15°	842.8	866.5	873.0	860.5	856.6
17.5°	519.9	520.5	529.7	517.9	516.6
20°	326.9	334.8	345.3	332.8	322.9
22.5°	206.8	214.0	230.4	214.6	200.9
25°	131.9	141.1	155.6	137.8	125.4
27.5°	82.7	91.2	105.0	88.6	79.4
30°	51.2	57.1	68.3	55.8	47.3
32.5°	29.5	35.4	44.6	33.5	28.2
35°	15.8	20.3	29.5	19.7	14.4
37.5°	9.2	11.8	19.0	10.5	8.5
40°	5.3	7.2	11.2	6.6	5.3
42.5°	3.3	4.6	5.3	3.9	2.6
45°	2.0	2.6	3.3	2.6	2.0
47.5°	1.3	2.0	2.6	1.3	1.3
50°	1.3	1.3	2.0	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
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)