

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: P1312343

Luminaire Tested: P3SQAS09R609727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R609727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

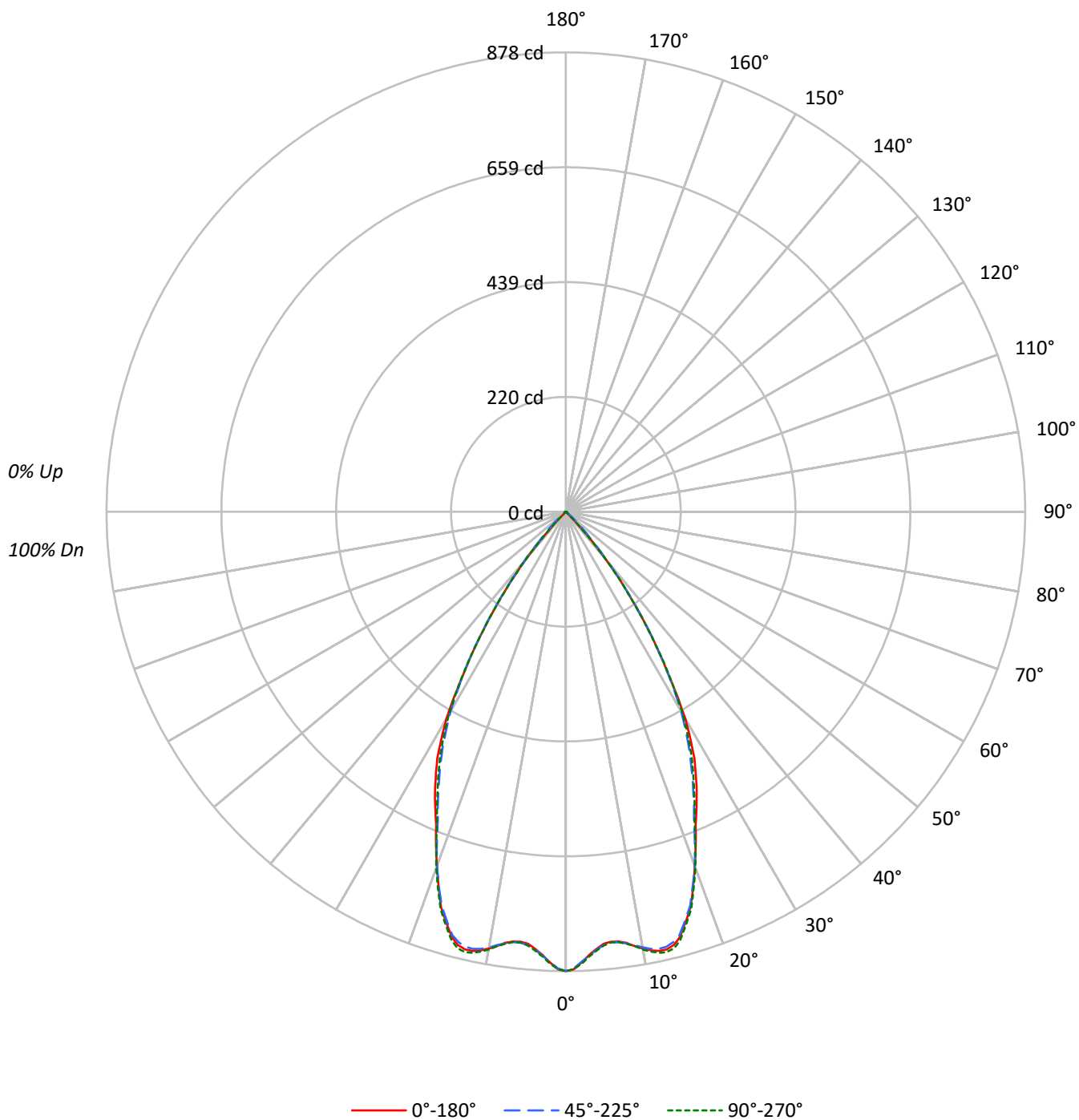
Lumens per Lamp: N/A
Luminaire Lumens: 783.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151194	151194	151194
5°	143283	143716	143923
10°	148263	147843	148595
15°	150073	149414	150947
20°	132142	132032	132710
25°	112458	109189	110120
30°	90762	87600	89052
35°	57439	57965	57313
40°	26866	27968	27271
45°	1632	9840	1948
50°	831	2304	831
55°	931	931	931
60°	861	861	861
65°	734	1019	734
70°	906	906	906
75°	799	799	799
80°	595	595	595
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9840 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.0	10.2
10°-20°	230.4	29.4
20°-30°	265.6	33.9
30°-40°	170.6	21.8
40°-50°	29.7	3.8
50°-60°	2.9	0.4
60°-70°	2.2	0.3
70°-80°	1.3	0.2
80°-90°	0.4	0.1
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°	576.1	73.6
0°-40°	746.6	95.4
0°-60°	779.2	99.5
0°-90°	783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	829	831	831	833	832	80
15°	842	839	838	844	847	231
25°	592	585	575	575	580	270
35°	273	271	276	270	273	171
45°	7	20	40	24	8	22
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	1	1	1	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	877.9	877.9	877.9	877.9	877.9
1°	874.2	873.6	873.0	873.6	874.2
2°	861.9	861.3	860.7	863.2	864.4
3°	848.5	849.1	849.7	850.9	851.5
4°	837.4	838.6	839.3	840.5	841.1
5°	828.8	830.7	831.3	833.1	832.5
6°	826.4	827.6	828.2	828.8	827.6
7°	827.6	828.2	828.8	830.1	828.8
8°	831.9	832.5	833.1	833.7	833.7
9°	840.5	839.3	838.6	841.1	840.5
10°	847.8	846.0	845.4	849.1	849.7
11°	854.0	851.5	850.9	855.2	856.4
12°	858.3	854.6	854.0	859.5	861.9
13°	858.3	853.4	853.4	859.5	863.2
14°	853.4	847.8	847.8	854.6	858.9
15°	841.7	838.6	838.0	843.5	846.6
17.5°	792.7	789.0	789.6	795.8	796.4
20°	721.0	719.2	720.4	721.6	724.1
22.5°	648.1	646.9	640.2	642.0	643.2
25°	591.8	585.0	574.6	575.2	579.5
27.5°	532.3	525.6	510.9	514.0	518.3
30°	456.4	450.9	440.5	442.3	447.8
32.5°	358.4	369.4	359.6	362.7	360.8
35°	273.2	271.4	275.7	270.2	272.6
37.5°	192.4	193.0	194.8	189.9	189.9
40°	119.5	122.5	124.4	121.9	121.3
42.5°	50.2	68.6	72.3	68.6	50.8
45°	6.7	20.2	40.4	23.9	8.0
47.5°	3.1	4.3	21.4	4.3	3.1
50°	3.1	3.1	8.6	3.1	3.1
52.5°	3.1	3.1	3.1	3.1	3.1
55°	3.1	3.1	3.1	3.1	3.1
57.5°	3.1	3.1	3.1	3.1	3.1
60°	2.5	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	1.8	2.5	2.5	2.5	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6
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)