

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: P1312511

Luminaire Tested: P3SQAS13R609727DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312511
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: P3SQAS13R609727DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

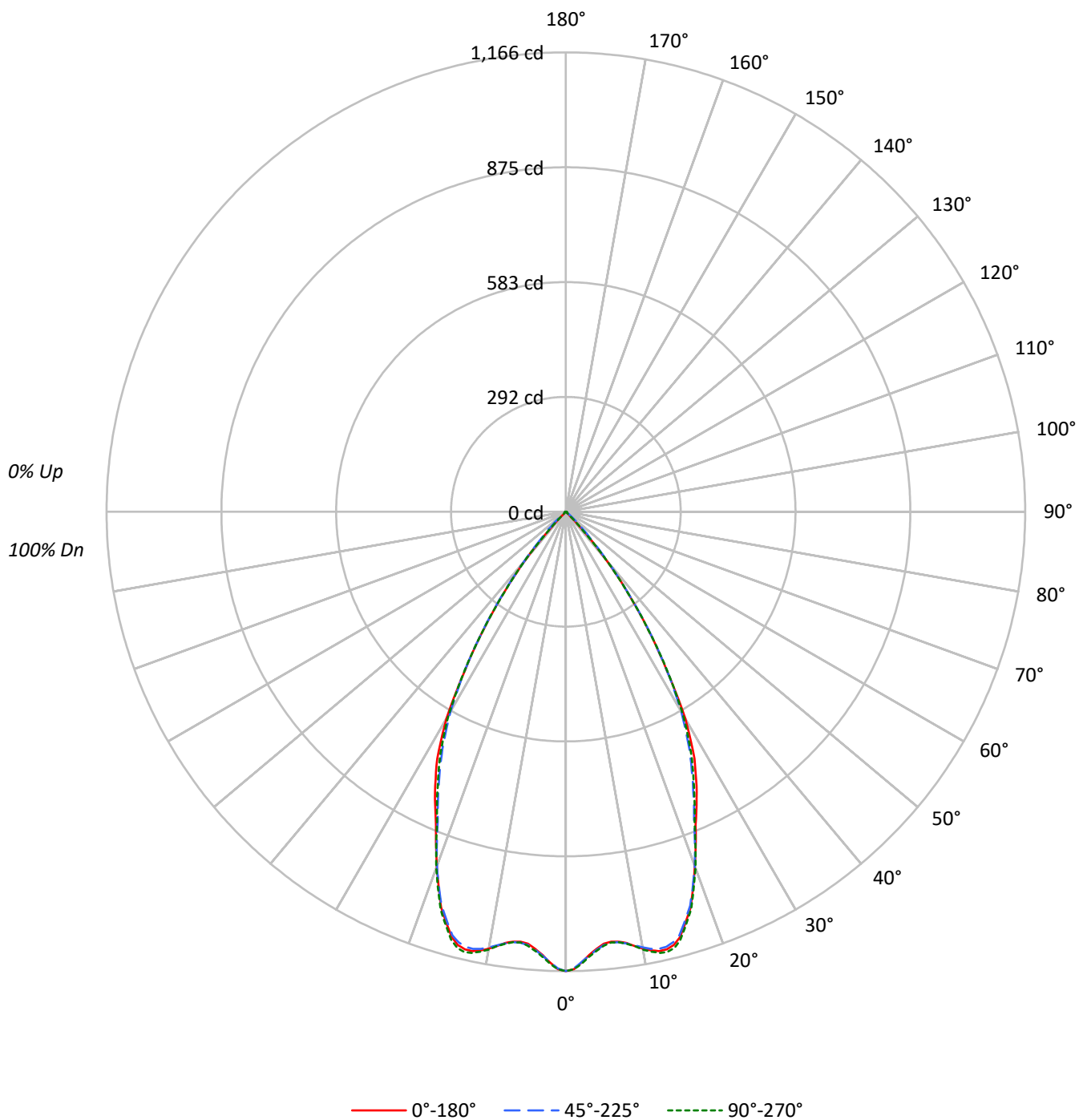
Lumens per Lamp: N/A
Luminaire Lumens: 1040.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	200812	200812	200812
5°	190324	190877	191171
10°	196932	196372	197369
15°	199337	198464	200496
20°	175523	175376	176274
25°	149361	145028	146264
30°	120552	116336	118285
35°	76298	76992	76130
40°	35679	37140	36219
45°	2192	13079	2582
50°	1099	3054	1099
55°	1231	1231	1231
60°	1137	1137	1137
65°	978	1345	978
70°	1209	1209	1209
75°	1065	1065	1065
80°	793	793	793
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 13079 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.2	10.2
10°-20°	306.1	29.4
20°-30°	352.8	33.9
30°-40°	226.6	21.8
40°-50°	39.4	3.8
50°-60°	3.8	0.4
60°-70°	2.9	0.3
70°-80°	1.7	0.2
80°-90°	0.5	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°	765.1	73.6
0°-40°	991.7	95.4
0°-60°	1034.9	99.5
0°-90°	1040.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1040.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1166	1166	1166	1166	1166	
5°	1101	1103	1104	1107	1106	106
15°	1118	1114	1113	1120	1124	306
25°	786	777	763	764	770	358
35°	363	360	366	359	362	226
45°	9	27	54	32	11	30
55°	4	4	4	4	4	4
65°	2	3	3	3	2	3
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1166.0	1166.0	1166.0	1166.0	1166.0
1°	1161.1	1160.3	1159.5	1160.3	1161.1
2°	1144.8	1144.0	1143.2	1146.5	1148.1
3°	1126.9	1127.7	1128.6	1130.2	1131.0
4°	1112.3	1113.9	1114.7	1116.4	1117.2
5°	1100.9	1103.3	1104.1	1106.6	1105.8
6°	1097.6	1099.3	1100.1	1100.9	1099.3
7°	1099.3	1100.1	1100.9	1102.5	1100.9
8°	1105.0	1105.8	1106.6	1107.4	1107.4
9°	1116.4	1114.7	1113.9	1117.2	1116.4
10°	1126.1	1123.7	1122.9	1127.7	1128.6
11°	1134.3	1131.0	1130.2	1135.9	1137.5
12°	1140.0	1135.1	1134.3	1141.6	1144.8
13°	1140.0	1133.4	1133.4	1141.6	1146.5
14°	1133.4	1126.1	1126.1	1135.1	1140.8
15°	1118.0	1113.9	1113.1	1120.4	1124.5
17.5°	1052.9	1048.0	1048.8	1057.0	1057.8
20°	957.7	955.2	956.9	958.5	961.8
22.5°	860.9	859.2	850.3	852.7	854.4
25°	786.0	777.1	763.2	764.0	769.7
27.5°	707.1	698.1	678.6	682.7	688.4
30°	606.2	598.9	585.0	587.5	594.8
32.5°	476.0	490.6	477.6	481.7	479.3
35°	362.9	360.5	366.2	358.8	362.1
37.5°	255.5	256.3	258.7	252.2	252.2
40°	158.7	162.7	165.2	161.9	161.1
42.5°	66.7	91.1	96.0	91.1	67.5
45°	9.0	26.9	53.7	31.7	10.6
47.5°	4.1	5.7	28.5	5.7	4.1
50°	4.1	4.1	11.4	4.1	4.1
52.5°	4.1	4.1	4.1	4.1	4.1
55°	4.1	4.1	4.1	4.1	4.1
57.5°	4.1	4.1	4.1	4.1	4.1
60°	3.3	3.3	3.3	3.3	3.3
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.4	3.3	3.3	3.3	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
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)