

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: P1316304

Luminaire Tested: P3SQAS13R559827DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559827DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

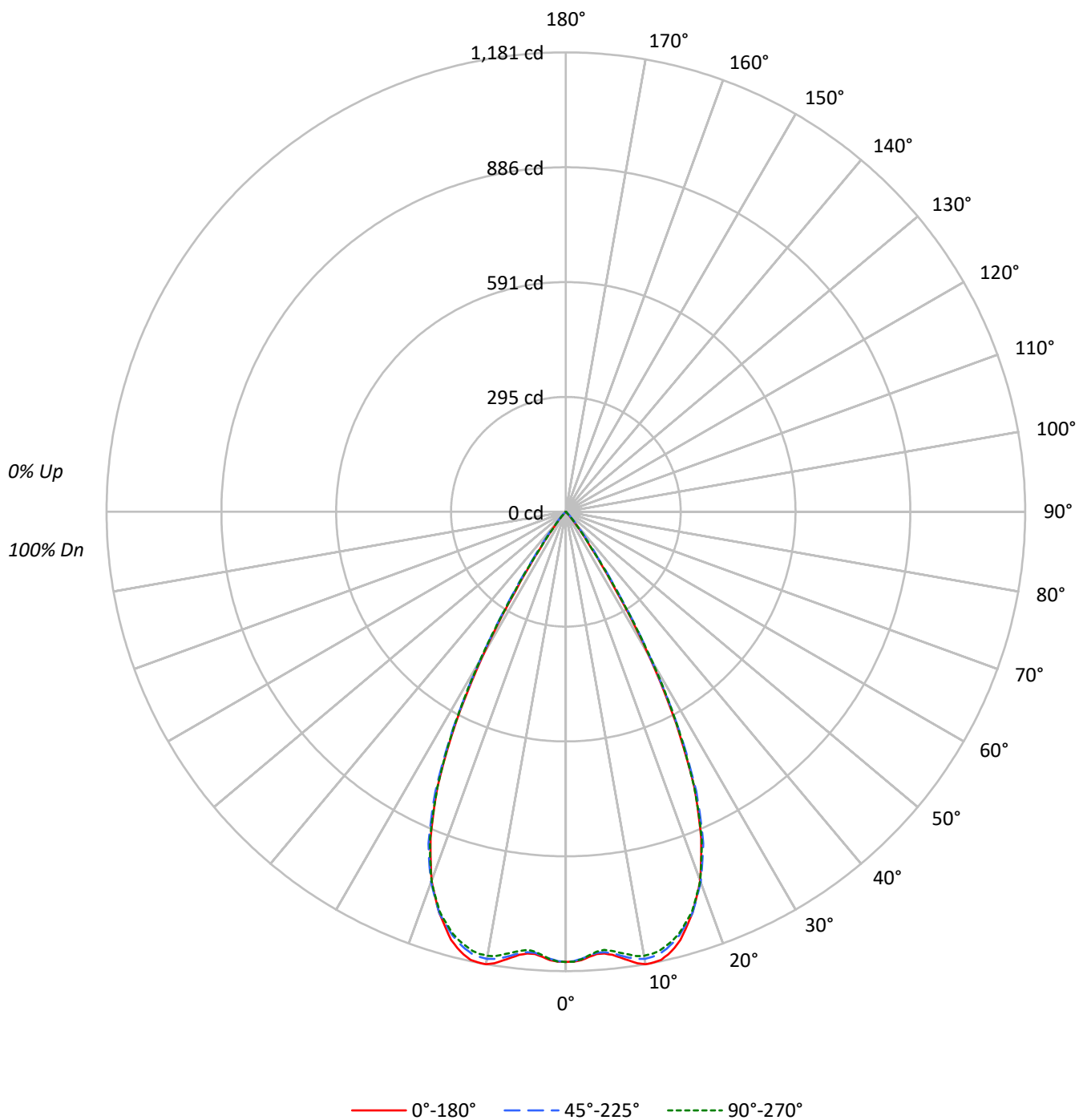
Lumens per Lamp: N/A
Luminaire Lumens: 880.0 lumens
Efficiency: N/A
Efficacy: 60.7 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	82	79	85	81	78		84	80	77		82
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	199348	199348	199348
5°	197066	196496	195441
10°	206568	204084	202668
15°	203135	200960	200229
20°	185017	185768	185145
25°	148430	150748	148430
30°	85194	87342	88018
35°	24283	29266	24998
40°	6228	8970	6385
45°	658	3118	487
50°	0	536	0
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: 45°

Vertical Angle: 45°

Luminance: 3118 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	12.5
10°-20°	313.6	35.6
20°-30°	345.4	39.3
30°-40°	103.1	11.7
40°-50°	7.9	0.9
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°	768.9	87.4
0°-40°	872.0	99.1
0°-60°	880.0	100.0
0°-90°	880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1140	1138	1137	1132	1130	111
15°	1139	1131	1127	1122	1123	316
25°	781	781	793	792	781	342
35°	116	123	139	127	119	95
45°	3	7	13	7	2	5
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1157.5	1157.5	1157.5	1157.5	1157.5
1°	1156.8	1156.8	1155.5	1154.8	1156.8
2°	1153.4	1153.4	1150.1	1149.4	1151.4
3°	1146.0	1145.3	1142.6	1140.6	1142.0
4°	1139.9	1138.6	1136.6	1133.2	1133.9
5°	1139.9	1137.9	1136.6	1131.8	1130.5
6°	1145.3	1144.0	1141.3	1136.6	1135.2
7°	1154.8	1152.1	1149.4	1143.3	1142.0
8°	1164.9	1162.9	1157.5	1151.4	1148.7
9°	1175.1	1170.3	1163.6	1157.5	1156.8
10°	1181.2	1174.4	1167.0	1159.5	1158.9
11°	1180.5	1174.4	1165.6	1158.9	1158.2
12°	1177.8	1169.0	1161.6	1153.4	1154.1
13°	1168.3	1160.2	1152.8	1146.7	1145.3
14°	1155.5	1148.0	1141.3	1135.2	1135.9
15°	1139.3	1131.2	1127.1	1122.4	1123.0
17.5°	1081.8	1079.8	1081.8	1076.4	1078.4
20°	1009.5	1007.5	1013.6	1010.9	1010.2
22.5°	908.8	911.5	923.0	919.7	913.6
25°	781.1	781.1	793.3	791.9	781.1
27.5°	614.9	619.6	627.1	630.4	622.3
30°	428.4	439.2	439.2	446.0	442.6
32.5°	239.2	262.2	267.6	271.0	257.4
35°	115.5	123.0	139.2	127.0	118.9
37.5°	55.4	58.8	75.0	60.8	56.8
40°	27.7	31.8	39.9	33.1	28.4
42.5°	11.5	16.9	20.9	16.9	11.5
45°	2.7	6.8	12.8	6.8	2.0
47.5°	0.0	0.7	6.1	1.4	0.0
50°	0.0	0.0	2.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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)