

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: P1316305

Luminaire Tested: P3SQAS13R559827DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316305
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559827DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

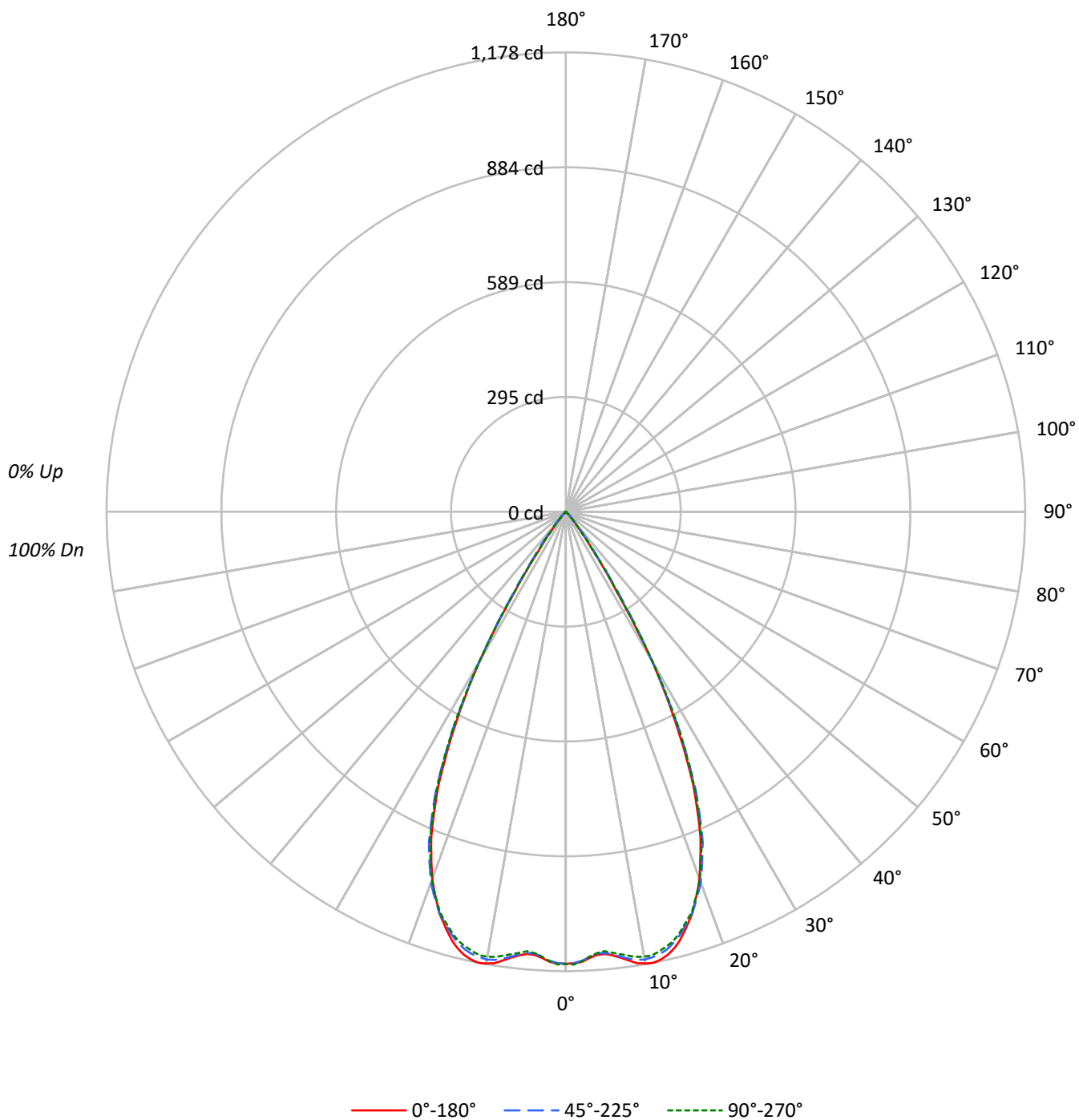
Lumens per Lamp: N/A
Luminaire Lumens: 889.0 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	199658	199658	199658
5°	196790	196444	195511
10°	205693	203909	202615
15°	202475	200674	199819
20°	183605	185456	184100
25°	146815	149912	148487
30°	88058	88058	89132
35°	25440	30128	26302
40°	7284	9870	7284
45°	1656	3775	1656
50°	723	1259	536
55°	601	601	601
60°	689	689	689
65°	571	571	571
70°	705	705	705
75°	466	466	466
80°	694	694	694
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	12.4
10°-20°	313.3	35.2
20°-30°	345.2	38.8
30°-40°	105.6	11.9
40°-50°	10.4	1.2
50°-60°	1.9	0.2
60°-70°	1.6	0.2
70°-80°	0.9	0.1
80°-90°	0.3	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°	768.4	86.4
0°-40°	873.9	98.3
0°-60°	886.3	99.7
0°-90°	889.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	889.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1138	1138	1136	1133	1131	110
15°	1136	1134	1126	1121	1121	315
25°	773	780	789	796	781	340
35°	121	127	143	132	125	99
45°	7	10	16	10	7	8
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	1159.3	1159.3	1159.3	1159.3	1159.3
1°	1157.9	1158.6	1157.9	1156.6	1161.3
2°	1155.2	1154.5	1152.5	1151.8	1153.9
3°	1146.4	1146.4	1143.7	1142.4	1143.1
4°	1139.7	1139.7	1135.6	1134.3	1134.9
5°	1138.3	1138.3	1136.3	1132.9	1130.9
6°	1143.7	1145.1	1140.4	1137.0	1137.0
7°	1151.8	1152.5	1149.1	1144.4	1143.1
8°	1162.0	1162.7	1157.3	1151.8	1149.1
9°	1172.1	1170.8	1163.3	1157.9	1155.9
10°	1176.2	1175.5	1166.0	1160.6	1158.6
11°	1178.2	1174.8	1164.0	1159.3	1158.6
12°	1173.5	1170.8	1159.3	1154.5	1152.5
13°	1165.4	1161.3	1151.8	1147.1	1144.4
14°	1152.5	1148.5	1139.7	1134.3	1134.9
15°	1135.6	1133.6	1125.5	1120.7	1120.7
17.5°	1079.5	1080.9	1078.8	1076.8	1075.5
20°	1001.8	1007.2	1011.9	1009.2	1004.5
22.5°	902.4	911.9	917.3	918.6	909.8
25°	772.6	780.1	788.9	796.3	781.4
27.5°	611.1	617.8	625.9	630.7	628.6
30°	442.8	443.4	442.8	451.5	448.2
32.5°	246.1	266.3	269.7	275.8	254.2
35°	121.0	127.1	143.3	131.8	125.1
37.5°	58.1	62.2	77.7	63.5	60.8
40°	32.4	35.2	43.9	36.5	32.4
42.5°	15.5	20.3	23.7	21.0	15.5
45°	6.8	10.1	15.5	10.1	6.8
47.5°	2.7	4.1	9.5	4.1	2.7
50°	2.7	2.0	4.7	2.0	2.0
52.5°	2.0	2.0	2.7	2.0	2.0
55°	2.0	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0
62.5°	1.4	2.0	2.0	2.0	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	0.7	1.4	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.7	0.7	0.7	0.7	0.7
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)