

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: P1310148

Luminaire Tested: P3SQAS09R609040DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310148
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: P3SQAS09R609040DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

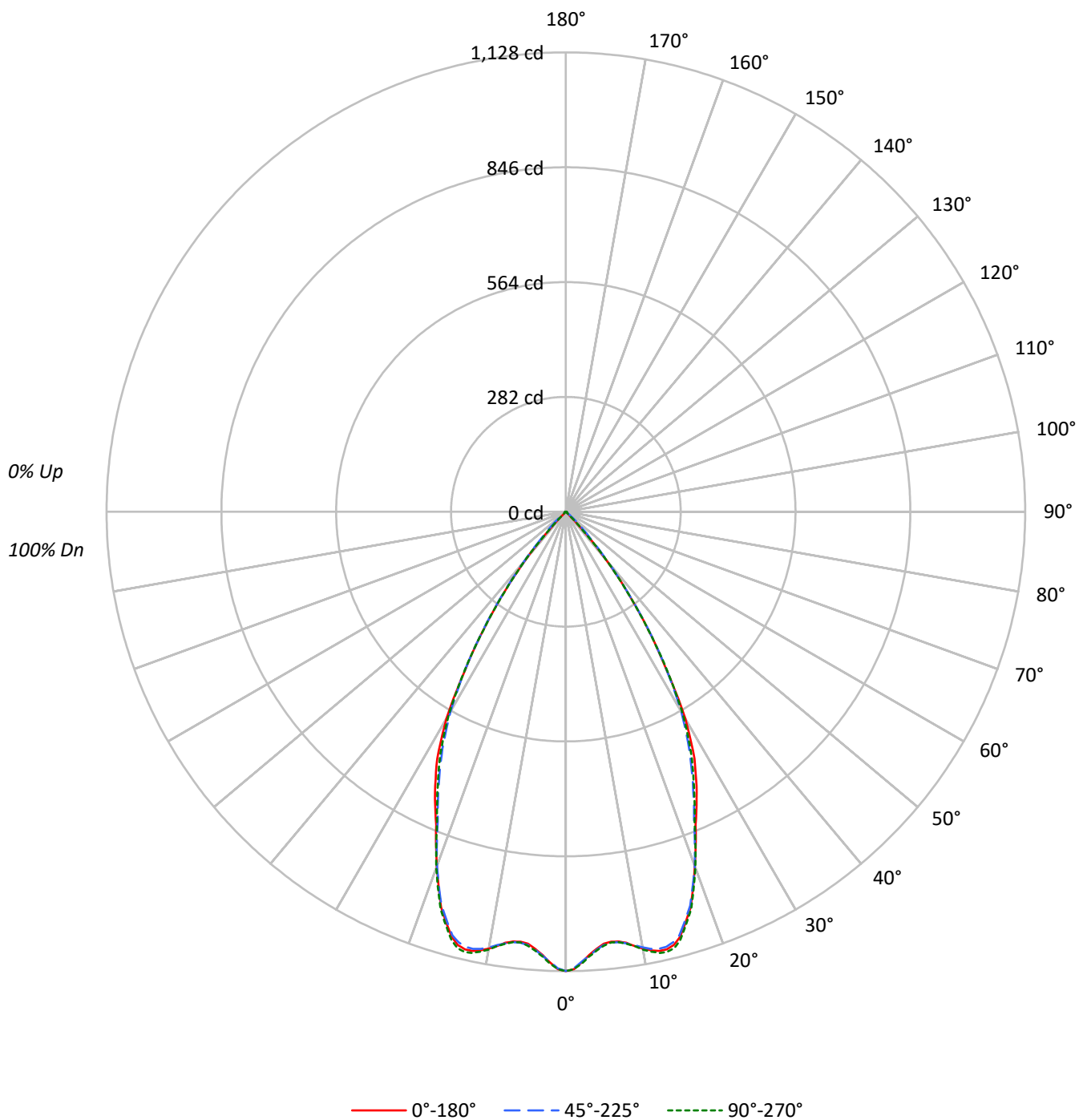
Lumens per Lamp: N/A
Luminaire Lumens: 1006.0 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	194250	194250	194250
5°	184100	184654	184913
10°	190496	189954	190916
15°	192811	191973	193935
20°	169786	169640	170501
25°	144477	140297	141494
30°	116615	112538	114407
35°	73796	74469	73628
40°	34510	35926	35027
45°	2119	12641	2484
50°	1045	2947	1045
55°	1171	1171	1171
60°	1068	1068	1068
65°	978	1263	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: 12641 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.8	10.2
10°-20°	296.1	29.4
20°-30°	341.3	33.9
30°-40°	219.1	21.8
40°-50°	38.1	3.8
50°-60°	3.6	0.4
60°-70°	2.8	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°	740.1	73.6
0°-40°	959.3	95.4
0°-60°	1001.0	99.5
0°-90°	1006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1128	1128	1128	1128	1128	
5°	1065	1067	1068	1070	1070	103
15°	1081	1078	1077	1084	1088	296
25°	760	752	738	739	745	347
35°	351	349	354	347	350	219
45°	9	26	52	31	10	29
55°	4	4	4	4	4	3
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°	1127.9	1127.9	1127.9	1127.9	1127.9
1°	1123.1	1122.4	1121.6	1122.4	1123.1
2°	1107.4	1106.6	1105.8	1109.0	1110.6
3°	1090.1	1090.9	1091.7	1093.2	1094.0
4°	1075.9	1077.5	1078.3	1079.9	1080.6
5°	1064.9	1067.3	1068.1	1070.4	1069.6
6°	1061.8	1063.3	1064.1	1064.9	1063.3
7°	1063.3	1064.1	1064.9	1066.5	1064.9
8°	1068.8	1069.6	1070.4	1071.2	1071.2
9°	1079.9	1078.3	1077.5	1080.6	1079.9
10°	1089.3	1086.9	1086.2	1090.9	1091.7
11°	1097.2	1094.0	1093.2	1098.7	1100.3
12°	1102.7	1098.0	1097.2	1104.3	1107.4
13°	1102.7	1096.4	1096.4	1104.3	1109.0
14°	1096.4	1089.3	1089.3	1098.0	1103.5
15°	1081.4	1077.5	1076.7	1083.8	1087.7
17.5°	1018.5	1013.7	1014.5	1022.4	1023.2
20°	926.4	924.0	925.6	927.2	930.3
22.5°	832.7	831.1	822.5	824.8	826.4
25°	760.3	751.7	738.3	739.1	744.6
27.5°	684.0	675.3	656.4	660.4	665.9
30°	586.4	579.3	565.9	568.3	575.3
32.5°	460.4	474.6	462.0	465.9	463.6
35°	351.0	348.7	354.2	347.1	350.2
37.5°	247.1	247.9	250.3	244.0	244.0
40°	153.5	157.4	159.8	156.6	155.8
42.5°	64.5	88.2	92.9	88.2	65.3
45°	8.7	26.0	51.9	30.7	10.2
47.5°	3.9	5.5	27.5	5.5	3.9
50°	3.9	3.9	11.0	3.9	3.9
52.5°	3.9	3.9	3.9	3.9	3.9
55°	3.9	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9	3.9
60°	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.4	3.1	3.1	3.1	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)