

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: P1309211

Luminaire Tested: P3SQAS13R709035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R709035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

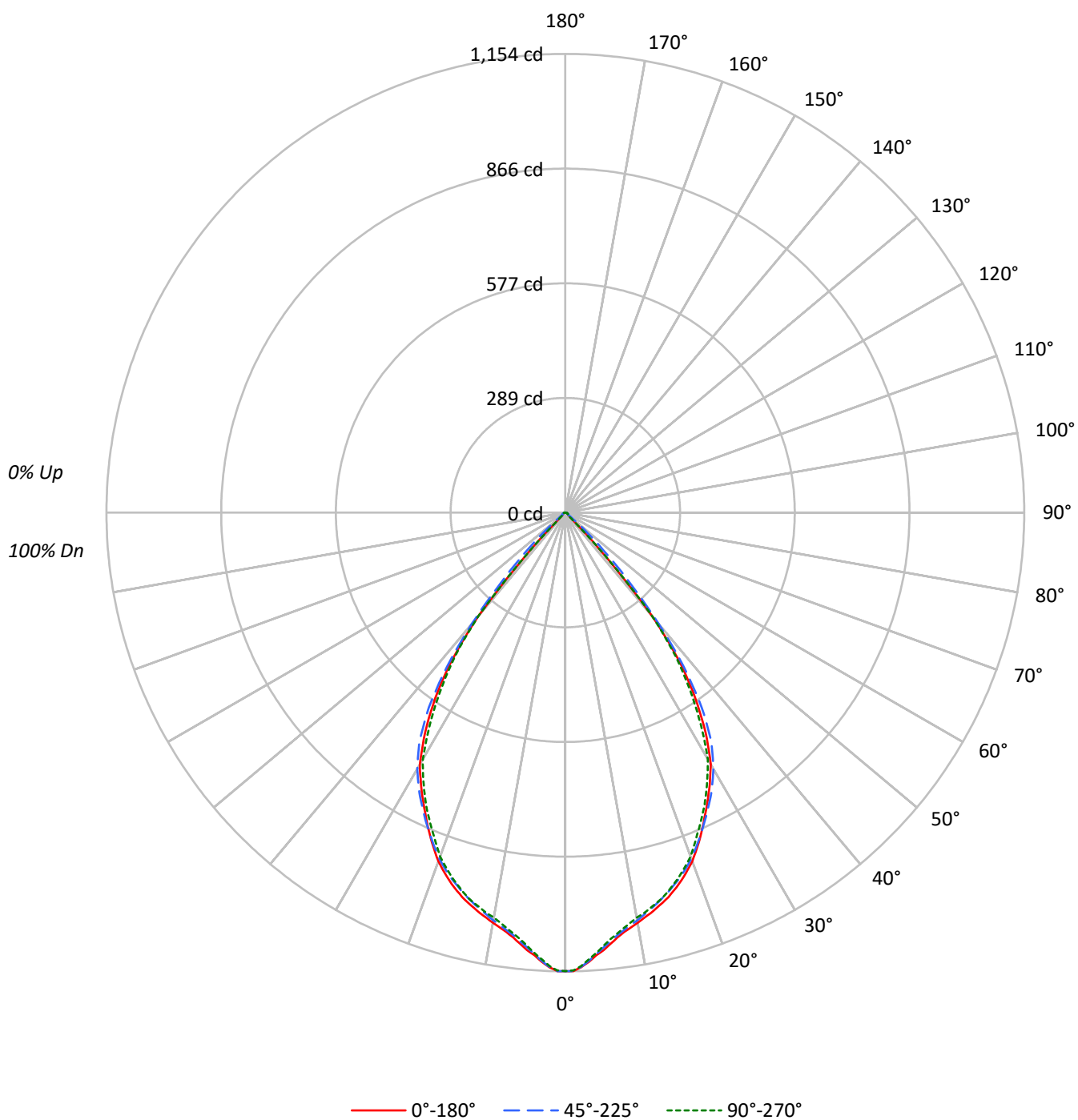
Lumens per Lamp: N/A
Luminaire Lumens: 1230.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1309211

CATALOG NUMBER: P3SQAS13R709035DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309211

CATALOG NUMBER: P3SQAS13R709035DE010 E3SQCD1MW

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	198676	198676	198676
5°	190964	189927	189235
10°	183204	182154	180930
15°	178583	176622	176444
20°	171106	169841	168742
25°	158425	159565	156525
30°	145510	148095	142527
35°	120008	125684	115382
40°	76417	82262	76417
45°	5358	35535	5845
50°	2411	7234	2411
55°	2702	2702	2702
60°	2756	2756	2756
65°	2445	2853	2445
70°	2518	3021	2518
75°	2662	2662	2662
80°	2975	2975	2975
85°	1976	3952	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 35535 cd/sqm

TEST NUMBER: P1309211

CATALOG NUMBER: P3SQAS13R709035DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	8.4
10°-20°	278.7	22.7
20°-30°	383.1	31.1
30°-40°	350.9	28.5
40°-50°	93.1	7.6
50°-60°	8.3	0.7
60°-70°	6.8	0.6
70°-80°	4.5	0.4
80°-90°	1.7	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°	764.7	62.2
0°-40°	1115.6	90.7
0°-60°	1217.0	98.9
0°-90°	1230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1154	1154	1154	1154	1154	
5°	1105	1100	1099	1097	1095	103
15°	1002	993	991	991	990	281
25°	834	837	840	830	824	383
35°	571	580	598	571	549	346
45°	22	75	146	76	24	66
55°	9	9	9	9	9	8
65°	6	7	7	7	6	6
75°	4	4	4	4	4	4
85°	1	2	2	2	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1309211

CATALOG NUMBER: P3SQAS13R709035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1153.6	1153.6	1153.6	1153.6	1153.6
1°	1153.6	1151.6	1153.6	1153.6	1151.6
2°	1144.6	1142.6	1143.6	1142.6	1141.6
3°	1131.6	1128.6	1129.6	1127.6	1125.6
4°	1116.6	1113.6	1113.6	1112.6	1110.6
5°	1104.6	1099.6	1098.6	1096.6	1094.6
6°	1090.6	1085.6	1084.6	1081.6	1079.6
7°	1076.6	1072.6	1071.6	1067.6	1067.6
8°	1065.6	1060.6	1060.6	1055.6	1055.6
9°	1056.6	1050.6	1050.6	1046.6	1044.6
10°	1047.6	1041.6	1041.6	1036.6	1034.6
11°	1038.6	1033.6	1031.6	1028.6	1027.6
12°	1030.6	1023.6	1021.6	1020.6	1018.6
13°	1020.6	1013.6	1011.6	1010.6	1009.6
14°	1011.6	1002.6	1001.6	999.6	1000.6
15°	1001.6	992.6	990.6	990.6	989.6
17.5°	970.6	964.6	961.6	959.6	957.6
20°	933.6	928.7	926.7	922.7	920.7
22.5°	885.7	884.7	883.7	878.7	870.7
25°	833.7	836.7	839.7	829.7	823.7
27.5°	783.7	791.7	794.7	784.7	771.7
30°	731.7	738.7	744.7	730.7	716.7
32.5°	656.8	673.7	682.7	666.7	634.8
35°	570.8	579.8	597.8	570.8	548.8
37.5°	470.8	475.8	489.8	471.8	456.8
40°	339.9	354.9	365.9	354.9	339.9
42.5°	152.9	213.9	241.9	225.9	159.9
45°	22.0	75.0	145.9	76.0	24.0
47.5°	9.0	12.0	76.0	11.0	9.0
50°	9.0	9.0	27.0	9.0	9.0
52.5°	9.0	9.0	10.0	9.0	9.0
55°	9.0	9.0	9.0	9.0	9.0
57.5°	8.0	8.0	9.0	8.0	8.0
60°	8.0	8.0	8.0	8.0	8.0
62.5°	7.0	8.0	8.0	8.0	7.0
65°	6.0	7.0	7.0	7.0	6.0
67.5°	6.0	6.0	6.0	6.0	6.0
70°	5.0	6.0	6.0	6.0	5.0
72.5°	5.0	5.0	5.0	5.0	5.0
75°	4.0	4.0	4.0	4.0	4.0
77.5°	3.0	4.0	4.0	4.0	3.0
80°	3.0	3.0	3.0	3.0	3.0
82.5°	2.0	2.0	2.0	2.0	2.0
85°	1.0	2.0	2.0	2.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0



TEST NUMBER: P1309211

CATALOG NUMBER: P3SQAS13R709035DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)