

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: P1311454

Luminaire Tested: P3SQAS17R209050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

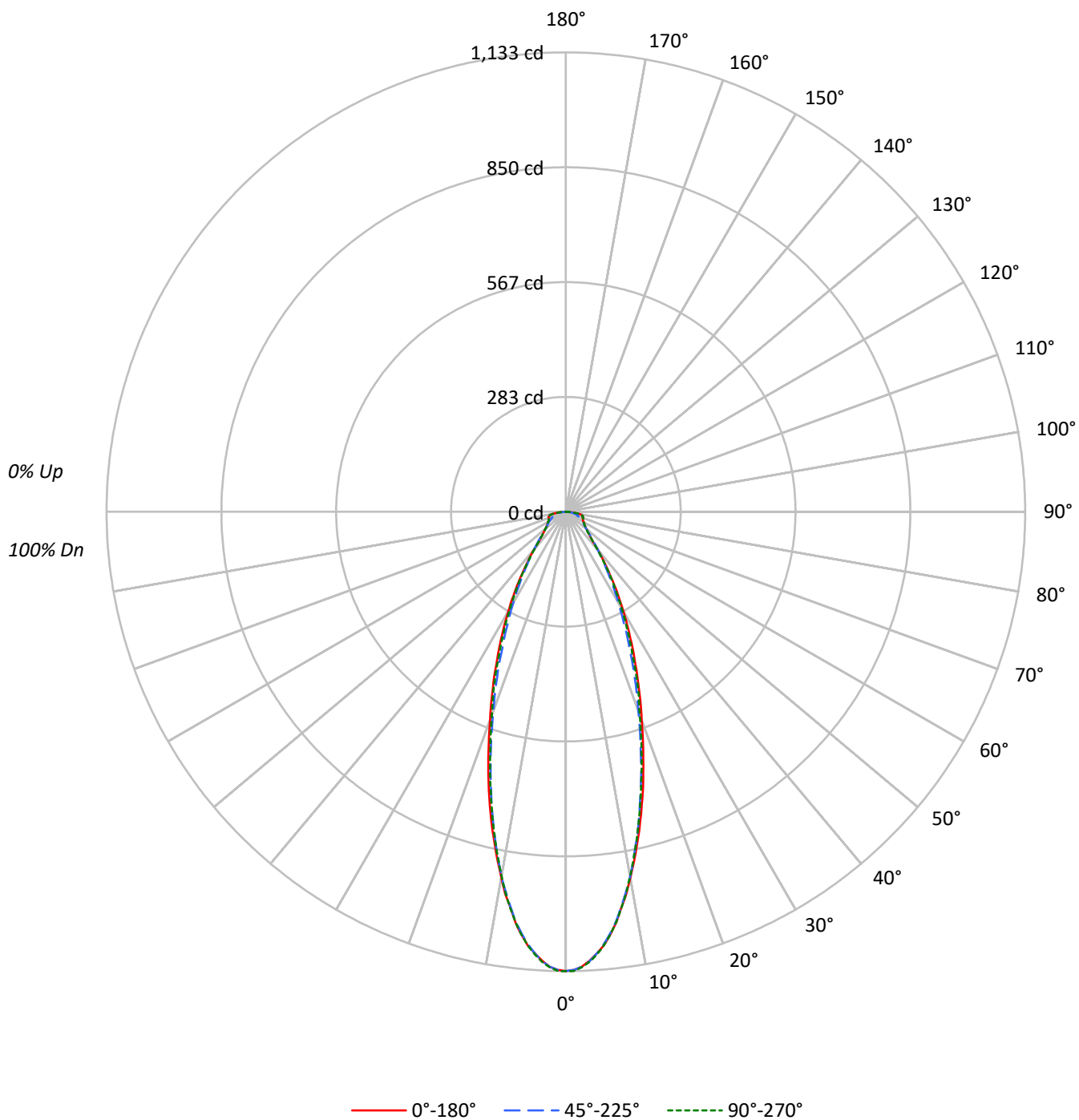
Lumens per Lamp: N/A
Luminaire Lumens: 799.0 lumens
Efficiency: N/A
Efficacy: 37.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1311454

CATALOG NUMBER: P3SQAS17R209050DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311454

CATALOG NUMBER: P3SQAS17R209050DE010 E3SQPHLP1MW

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	195128	195128	195128
5°	185656	185172	185656
10°	160277	159787	159543
15°	130068	127073	127572
20°	100215	95835	97649
25°	76125	70519	73996
30°	56458	51427	54787
35°	39905	37234	39316
40°	27496	27496	26866
45°	20191	21238	20191
50°	17710	17710	17710
55°	16875	16454	16875
60°	17429	15982	17429
65°	18909	16056	18909
70°	22660	16265	22660
75°	29012	17767	29012
80°	36200	18150	34812
85°	27862	16599	30629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 36200 cd/sqm

TEST NUMBER: P1311454

CATALOG NUMBER: P3SQAS17R209050DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.2	12.2
10°-20°	198.5	24.8
20°-30°	177.2	22.2
30°-40°	116.3	14.6
40°-50°	67.6	8.5
50°-60°	50.2	6.3
60°-70°	42.4	5.3
70°-80°	35.0	4.4
80°-90°	14.6	1.8
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°	472.9	59.2
0°-40°	589.2	73.7
0°-60°	707.0	88.5
0°-90°	799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1133	1133	1133	1133	1133	
5°	1074	1072	1071	1072	1074	97
15°	730	722	713	714	716	202
25°	401	389	371	381	389	185
35°	190	184	177	183	187	121
45°	83	84	87	84	83	67
55°	56	55	55	55	56	51
65°	46	42	39	42	46	46
75°	44	32	27	32	44	45
85°	14	16	8	16	16	16
90°	0	0	0	0	0	



TEST NUMBER: P1311454

CATALOG NUMBER: P3SQAS17R209050DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1133.0	1133.0	1133.0	1133.0	1133.0
1°	1130.2	1131.6	1130.2	1131.6	1133.0
2°	1123.1	1124.5	1123.1	1123.1	1124.5
3°	1109.1	1110.5	1110.5	1110.5	1111.9
4°	1092.2	1093.6	1092.2	1093.6	1095.0
5°	1073.9	1072.5	1071.1	1072.5	1073.9
6°	1048.6	1047.2	1045.8	1047.2	1048.6
7°	1020.5	1019.1	1017.7	1017.7	1019.1
8°	985.4	986.8	982.6	985.4	986.8
9°	954.5	951.6	948.8	948.8	951.6
10°	916.5	913.7	913.7	912.3	912.3
12.5°	823.7	818.1	813.9	813.9	815.3
15°	729.5	722.5	712.7	714.1	715.5
17.5°	635.4	626.9	614.3	617.1	619.9
20°	546.8	538.4	522.9	528.5	532.8
22.5°	470.9	458.3	444.2	448.4	462.5
25°	400.6	389.4	371.1	380.9	389.4
27.5°	338.8	326.1	310.7	320.5	328.9
30°	283.9	272.7	258.6	267.1	275.5
32.5°	234.7	224.9	215.1	220.7	227.7
35°	189.8	184.1	177.1	182.7	187.0
37.5°	153.2	150.4	147.6	150.4	149.0
40°	122.3	123.7	122.3	122.3	119.5
42.5°	97.0	101.2	102.6	99.8	97.0
45°	82.9	84.3	87.2	84.3	82.9
47.5°	73.1	73.1	74.5	73.1	71.7
50°	66.1	66.1	66.1	66.1	66.1
52.5°	60.4	60.4	59.0	60.4	60.4
55°	56.2	54.8	54.8	54.8	56.2
57.5°	53.4	52.0	50.6	52.0	53.4
60°	50.6	47.8	46.4	47.8	50.6
62.5°	47.8	45.0	43.6	45.0	47.8
65°	46.4	42.2	39.4	42.2	46.4
67.5°	45.0	39.4	36.5	39.4	46.4
70°	45.0	36.5	32.3	38.0	45.0
72.5°	43.6	35.1	29.5	35.1	43.6
75°	43.6	32.3	26.7	32.3	43.6
77.5°	40.8	29.5	22.5	29.5	40.8
80°	36.5	26.7	18.3	26.7	35.1
82.5°	26.7	22.5	14.1	22.5	26.7
85°	14.1	15.5	8.4	15.5	15.5
87.5°	1.4	5.6	2.8	8.4	7.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)