

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: P1317678

Luminaire Tested: P3SQAS05R209835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317678
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: P3SQAS05R209835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

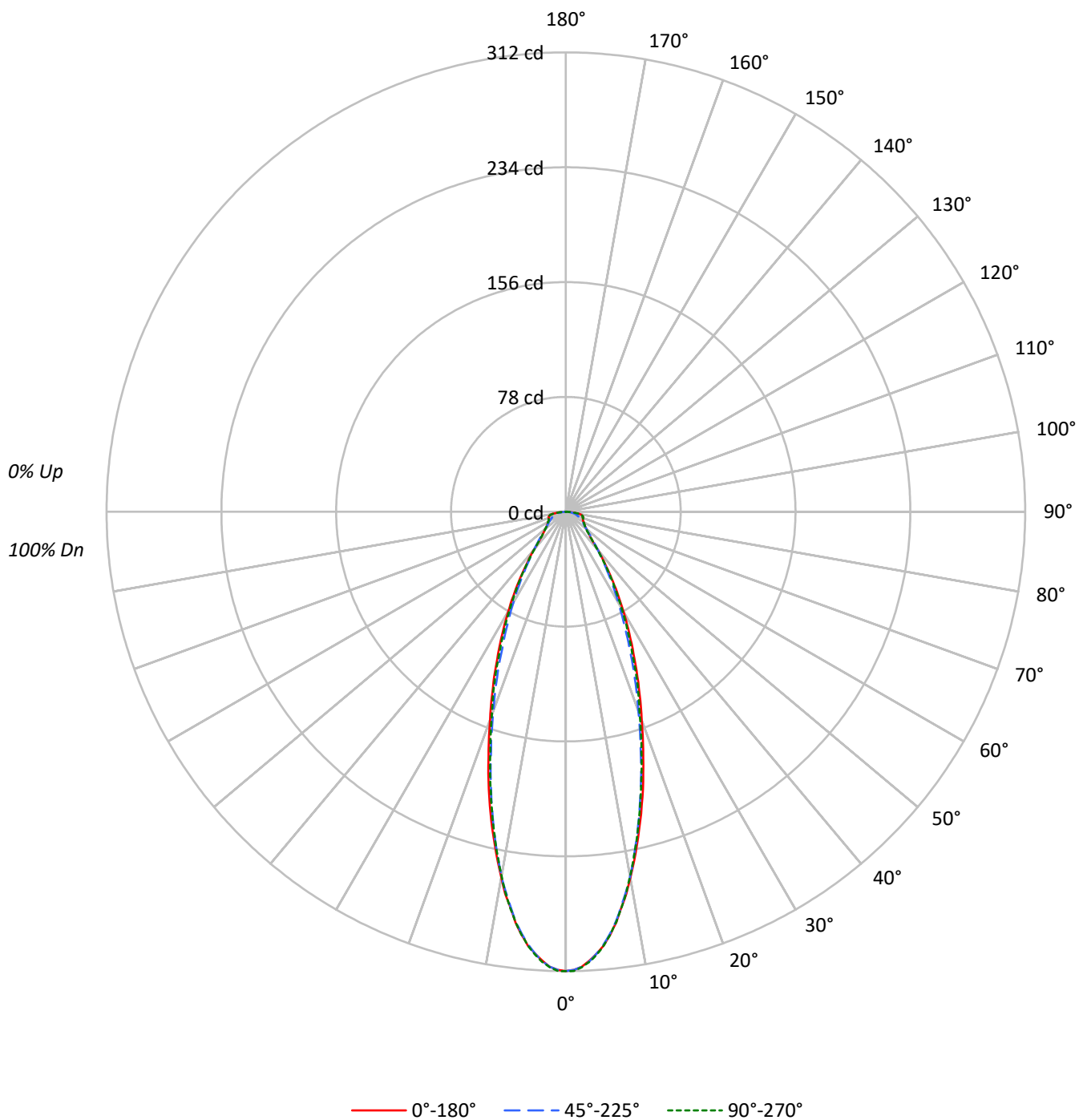
Lumens per Lamp: N/A
Luminaire Lumens: 220.0 lumens
Efficiency: N/A
Efficacy: 30.6 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1317678

CATALOG NUMBER: P3SQAS05R209835DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1317678

CATALOG NUMBER: P3SQAS05R209835DE010 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°	53733	53733	53733
5°	51121	50982	51121
10°	44140	44000	43930
15°	35820	34982	35125
20°	27601	26392	26887
25°	20960	19421	20371
30°	15551	14159	15094
35°	10996	10260	10828
40°	7576	7576	7397
45°	5553	5845	5553
50°	4876	4876	4876
55°	4654	4534	4654
60°	4788	4409	4788
65°	5216	4401	5216
70°	6244	4482	6244
75°	7985	4924	7985
80°	10017	4959	9620
85°	7707	4545	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 10017 cd/sqm

TEST NUMBER: P1317678

CATALOG NUMBER: P3SQAS05R209835DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	12.2
10°-20°	54.6	24.8
20°-30°	48.8	22.2
30°-40°	32.0	14.6
40°-50°	18.6	8.5
50°-60°	13.8	6.3
60°-70°	11.7	5.3
70°-80°	9.6	4.4
80°-90°	4.0	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°	130.2	59.2
0°-40°	162.2	73.7
0°-60°	194.7	88.5
0°-90°	220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	312	312	312	312	312	
5°	296	295	295	295	296	27
15°	201	199	196	197	197	56
25°	110	107	102	105	107	51
35°	52	51	49	50	52	33
45°	23	23	24	23	23	18
55°	16	15	15	15	16	14
65°	13	12	11	12	13	13
75°	12	9	7	9	12	12
85°	4	4	2	4	4	5
90°	0	0	0	0	0	

TEST NUMBER: P1317678

CATALOG NUMBER: P3SQAS05R209835DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	312.0	312.0	312.0	312.0	312.0
1°	311.2	311.6	311.2	311.6	312.0
2°	309.2	309.6	309.2	309.2	309.6
3°	305.4	305.8	305.8	305.8	306.2
4°	300.7	301.1	300.7	301.1	301.5
5°	295.7	295.3	294.9	295.3	295.7
6°	288.7	288.3	288.0	288.3	288.7
7°	281.0	280.6	280.2	280.2	280.6
8°	271.3	271.7	270.5	271.3	271.7
9°	262.8	262.0	261.3	261.3	262.0
10°	252.4	251.6	251.6	251.2	251.2
12.5°	226.8	225.3	224.1	224.1	224.5
15°	200.9	198.9	196.2	196.6	197.0
17.5°	174.9	172.6	169.1	169.9	170.7
20°	150.6	148.2	144.0	145.5	146.7
22.5°	129.7	126.2	122.3	123.5	127.3
25°	110.3	107.2	102.2	104.9	107.2
27.5°	93.3	89.8	85.5	88.2	90.6
30°	78.2	75.1	71.2	73.5	75.9
32.5°	64.6	61.9	59.2	60.8	62.7
35°	52.3	50.7	48.8	50.3	51.5
37.5°	42.2	41.4	40.6	41.4	41.0
40°	33.7	34.1	33.7	33.7	32.9
42.5°	26.7	27.9	28.3	27.5	26.7
45°	22.8	23.2	24.0	23.2	22.8
47.5°	20.1	20.1	20.5	20.1	19.7
50°	18.2	18.2	18.2	18.2	18.2
52.5°	16.6	16.6	16.3	16.6	16.6
55°	15.5	15.1	15.1	15.1	15.5
57.5°	14.7	14.3	13.9	14.3	14.7
60°	13.9	13.2	12.8	13.2	13.9
62.5°	13.2	12.4	12.0	12.4	13.2
65°	12.8	11.6	10.8	11.6	12.8
67.5°	12.4	10.8	10.1	10.8	12.8
70°	12.4	10.1	8.9	10.5	12.4
72.5°	12.0	9.7	8.1	9.7	12.0
75°	12.0	8.9	7.4	8.9	12.0
77.5°	11.2	8.1	6.2	8.1	11.2
80°	10.1	7.4	5.0	7.4	9.7
82.5°	7.4	6.2	3.9	6.2	7.4
85°	3.9	4.3	2.3	4.3	4.3
87.5°	0.4	1.5	0.8	2.3	1.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)