

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: P1307659

Luminaire Tested: P3SQAS05R209030DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307659
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: P3SQAS05R209030DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

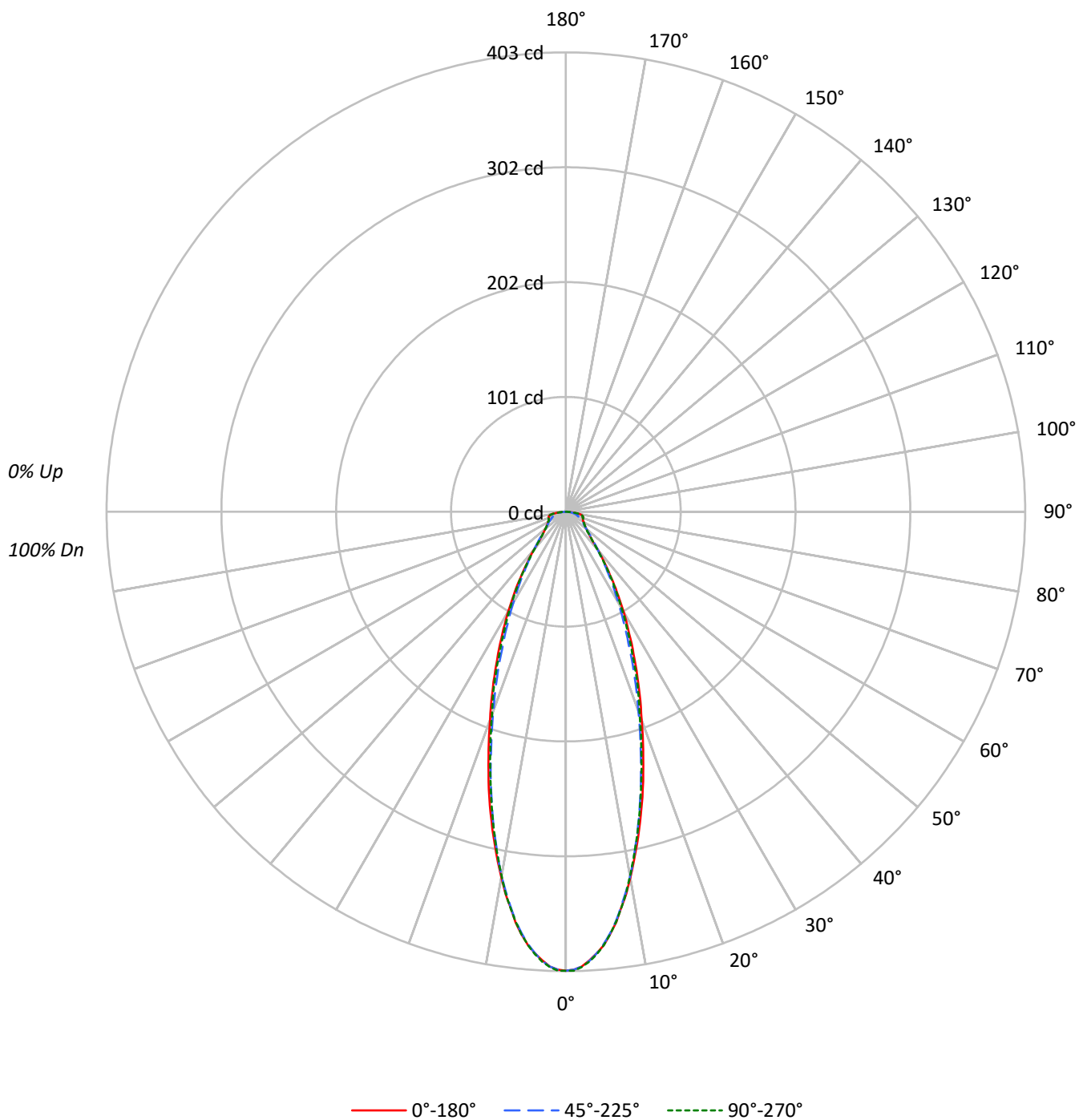
Lumens per Lamp: N/A
Luminaire Lumens: 284.1 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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°	69354	69354	69354
5°	65988	65816	65988
10°	56976	56801	56713
15°	46233	45163	45341
20°	35629	34071	34712
25°	27060	25065	26300
30°	20066	18276	19469
35°	14192	13245	13981
40°	9780	9780	9555
45°	7185	7550	7185
50°	6296	6296	6296
55°	6005	5855	6005
60°	6200	5683	6200
65°	6724	5705	6724
70°	8057	5791	8057
75°	10314	6321	10314
80°	12893	6447	12397
85°	9880	5928	10868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12893 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.6	12.2
10°-20°	70.5	24.8
20°-30°	63.0	22.2
30°-40°	41.3	14.6
40°-50°	24.1	8.5
50°-60°	17.8	6.3
60°-70°	15.1	5.3
70°-80°	12.5	4.4
80°-90°	5.2	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°	168.1	59.2
0°-40°	209.4	73.7
0°-60°	251.3	88.5
0°-90°	284.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	284.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	382	381	381	381	382	35
15°	259	257	253	254	254	72
25°	142	138	132	135	138	66
35°	68	66	63	65	66	43
45°	30	30	31	30	30	24
55°	20	20	20	20	20	18
65°	16	15	14	15	16	16
75°	16	12	10	12	16	16
85°	5	6	3	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	402.7	402.7	402.7	402.7	402.7
1°	401.7	402.2	401.7	402.2	402.7
2°	399.2	399.7	399.2	399.2	399.7
3°	394.2	394.7	394.7	394.7	395.2
4°	388.2	388.7	388.2	388.7	389.2
5°	381.7	381.2	380.7	381.2	381.7
6°	372.7	372.2	371.7	372.2	372.7
7°	362.7	362.2	361.7	361.7	362.2
8°	350.2	350.7	349.2	350.2	350.7
9°	339.3	338.3	337.3	337.3	338.3
10°	325.8	324.8	324.8	324.3	324.3
12.5°	292.8	290.8	289.3	289.3	289.8
15°	259.3	256.8	253.3	253.8	254.3
17.5°	225.8	222.8	218.3	219.3	220.3
20°	194.4	191.4	185.9	187.9	189.4
22.5°	167.4	162.9	157.9	159.4	164.4
25°	142.4	138.4	131.9	135.4	138.4
27.5°	120.4	115.9	110.4	113.9	116.9
30°	100.9	96.9	91.9	94.9	97.9
32.5°	83.4	79.9	76.4	78.4	80.9
35°	67.5	65.5	63.0	65.0	66.5
37.5°	54.5	53.5	52.5	53.5	53.0
40°	43.5	44.0	43.5	43.5	42.5
42.5°	34.5	36.0	36.5	35.5	34.5
45°	29.5	30.0	31.0	30.0	29.5
47.5°	26.0	26.0	26.5	26.0	25.5
50°	23.5	23.5	23.5	23.5	23.5
52.5°	21.5	21.5	21.0	21.5	21.5
55°	20.0	19.5	19.5	19.5	20.0
57.5°	19.0	18.5	18.0	18.5	19.0
60°	18.0	17.0	16.5	17.0	18.0
62.5°	17.0	16.0	15.5	16.0	17.0
65°	16.5	15.0	14.0	15.0	16.5
67.5°	16.0	14.0	13.0	14.0	16.5
70°	16.0	13.0	11.5	13.5	16.0
72.5°	15.5	12.5	10.5	12.5	15.5
75°	15.5	11.5	9.5	11.5	15.5
77.5°	14.5	10.5	8.0	10.5	14.5
80°	13.0	9.5	6.5	9.5	12.5
82.5°	9.5	8.0	5.0	8.0	9.5
85°	5.0	5.5	3.0	5.5	5.5
87.5°	0.5	2.0	1.0	3.0	2.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)