

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: P1306541

Luminaire Tested: P3SQAS05R209027DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306541
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: P3SQAS05R209027DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

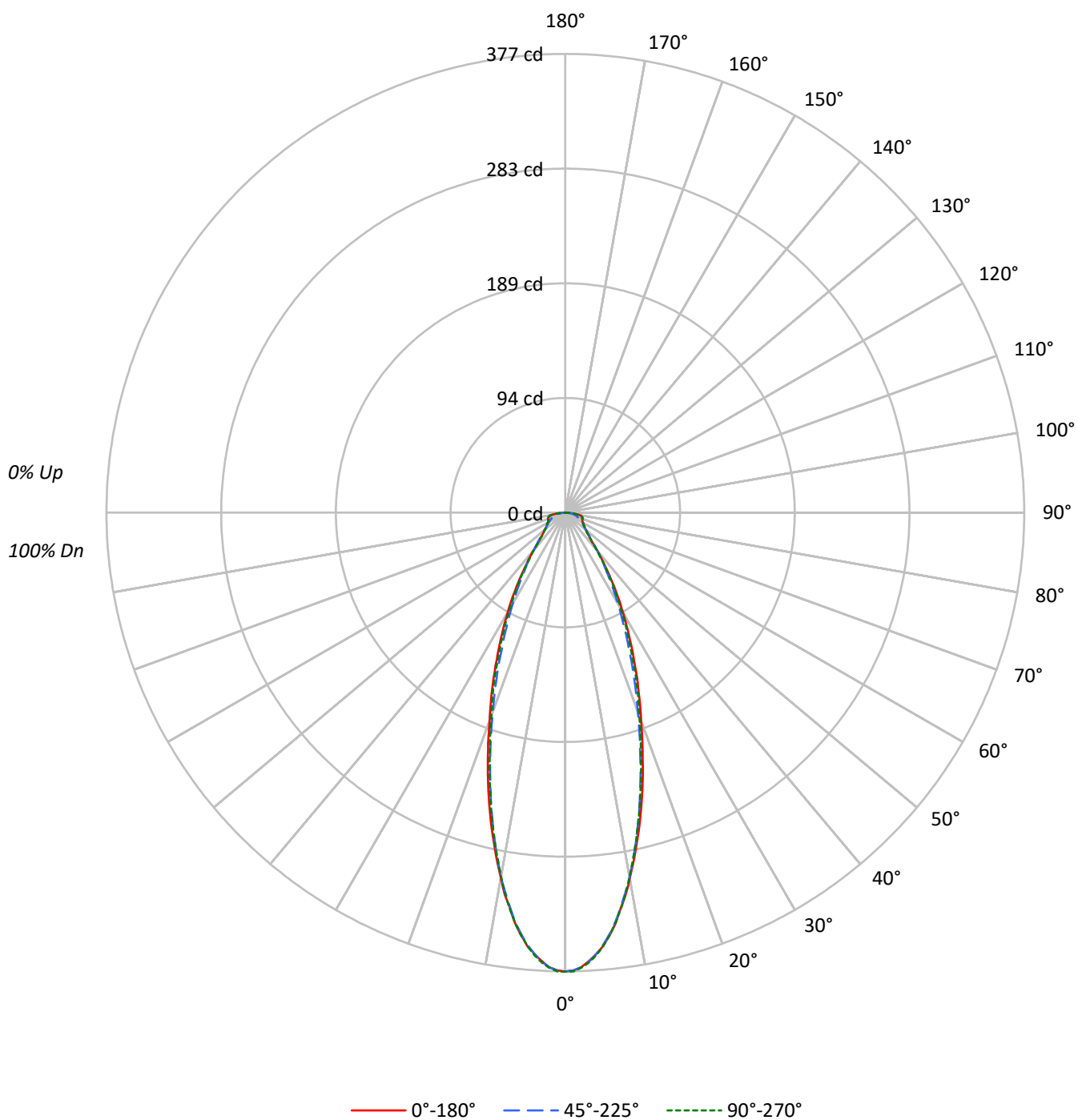
Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 36.9 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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		58	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°	64962	64962	64962
5°	61805	61649	61805
10°	53356	53198	53111
15°	43309	42310	42471
20°	33356	31908	32513
25°	25350	23468	24627
30°	18793	17122	18236
35°	13287	12404	13077
40°	9150	9150	8948
45°	6722	7063	6722
50°	5894	5894	5894
55°	5615	5495	5615
60°	5787	5304	5787
65°	6276	5338	6276
70°	7553	5438	7553
75°	9649	5922	9649
80°	12100	6050	11604
85°	9287	5533	10078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 12100 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	12.2
10°-20°	66.1	24.8
20°-30°	59.0	22.2
30°-40°	38.7	14.6
40°-50°	22.5	8.5
50°-60°	16.7	6.3
60°-70°	14.1	5.3
70°-80°	11.7	4.4
80°-90°	4.9	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°	157.4	59.2
0°-40°	196.1	73.7
0°-60°	235.4	88.5
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	377	377	377	377	377	
5°	358	357	357	357	358	32
15°	243	240	237	238	238	67
25°	133	130	124	127	130	61
35°	63	61	59	61	62	40
45°	28	28	29	28	28	22
55°	19	18	18	18	19	17
65°	15	14	13	14	15	15
75°	14	11	9	11	14	15
85°	5	5	3	5	5	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	377.2	377.2	377.2	377.2	377.2
1°	376.3	376.7	376.3	376.7	377.2
2°	373.9	374.4	373.9	373.9	374.4
3°	369.2	369.7	369.7	369.7	370.2
4°	363.6	364.1	363.6	364.1	364.6
5°	357.5	357.1	356.6	357.1	357.5
6°	349.1	348.6	348.2	348.6	349.1
7°	339.7	339.3	338.8	338.8	339.3
8°	328.0	328.5	327.1	328.0	328.5
9°	317.8	316.8	315.9	315.9	316.8
10°	305.1	304.2	304.2	303.7	303.7
12.5°	274.2	272.4	271.0	271.0	271.4
15°	242.9	240.5	237.3	237.7	238.2
17.5°	211.5	208.7	204.5	205.4	206.4
20°	182.0	179.2	174.1	176.0	177.4
22.5°	156.8	152.6	147.9	149.3	154.0
25°	133.4	129.6	123.5	126.8	129.6
27.5°	112.8	108.6	103.4	106.7	109.5
30°	94.5	90.8	86.1	88.9	91.7
32.5°	78.2	74.9	71.6	73.5	75.8
35°	63.2	61.3	59.0	60.8	62.2
37.5°	51.0	50.1	49.1	50.1	49.6
40°	40.7	41.2	40.7	40.7	39.8
42.5°	32.3	33.7	34.2	33.2	32.3
45°	27.6	28.1	29.0	28.1	27.6
47.5°	24.3	24.3	24.8	24.3	23.9
50°	22.0	22.0	22.0	22.0	22.0
52.5°	20.1	20.1	19.7	20.1	20.1
55°	18.7	18.3	18.3	18.3	18.7
57.5°	17.8	17.3	16.8	17.3	17.8
60°	16.8	15.9	15.4	15.9	16.8
62.5°	15.9	15.0	14.5	15.0	15.9
65°	15.4	14.0	13.1	14.0	15.4
67.5°	15.0	13.1	12.2	13.1	15.4
70°	15.0	12.2	10.8	12.6	15.0
72.5°	14.5	11.7	9.8	11.7	14.5
75°	14.5	10.8	8.9	10.8	14.5
77.5°	13.6	9.8	7.5	9.8	13.6
80°	12.2	8.9	6.1	8.9	11.7
82.5°	8.9	7.5	4.7	7.5	8.9
85°	4.7	5.1	2.8	5.1	5.1
87.5°	0.5	1.9	0.9	2.8	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)