

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: P1316787

Luminaire Tested: P3SQAS05R159830DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R159830DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

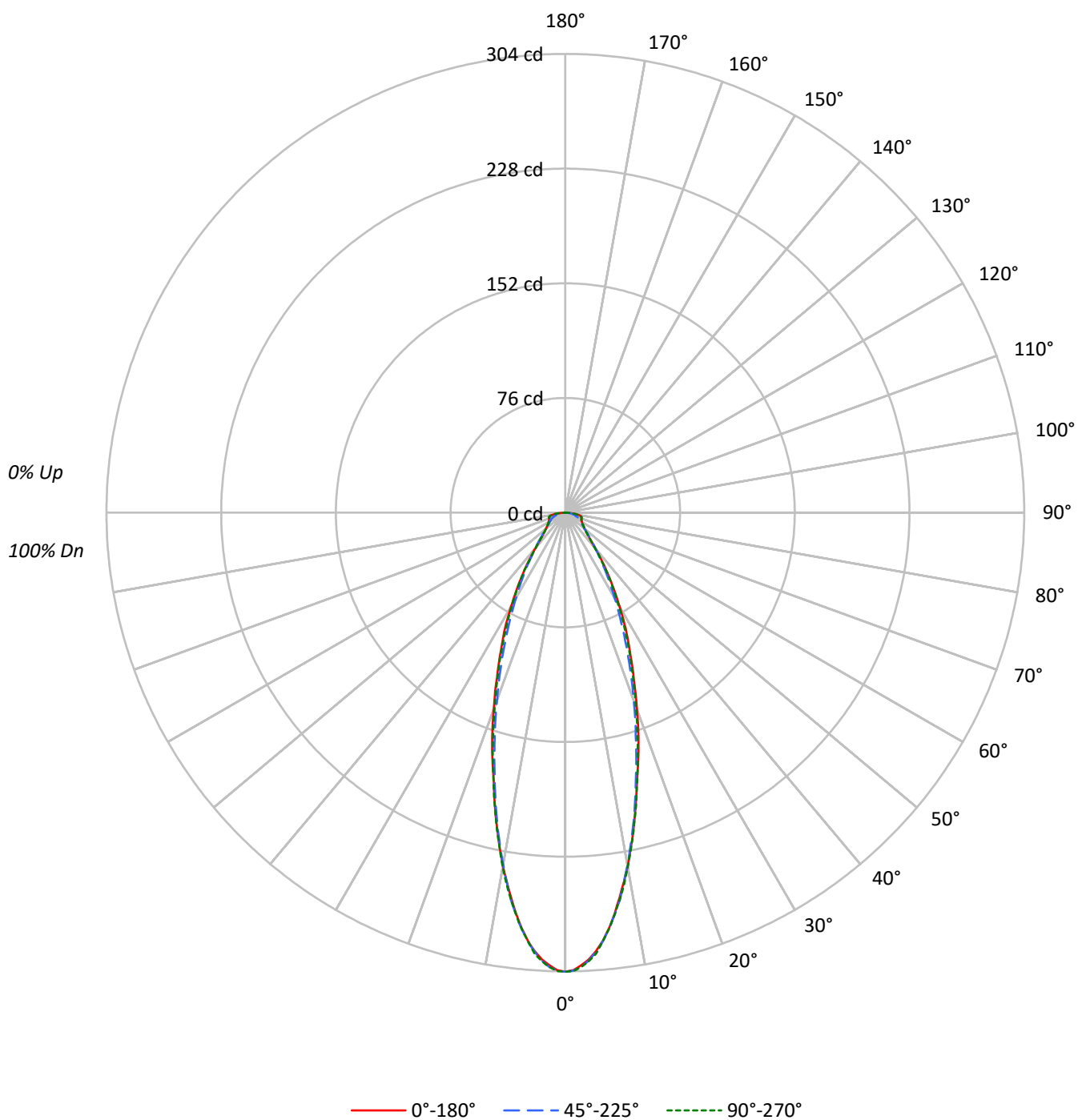
Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 28.3 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		72	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	52407	52407	52407
5°	49219	49288	49288
10°	41586	41446	41709
15°	32700	32236	32771
20°	25420	24266	25072
25°	19174	17844	18908
30°	14259	13006	13980
35°	10176	9482	10029
40°	6902	6992	6812
45°	5139	5407	5139
50°	4448	4448	4448
55°	4324	4114	4324
60°	4443	4064	4340
65°	4809	4238	4809
70°	5791	4280	5791
75°	7386	4458	7386
80°	9124	4761	8827
85°	7311	4347	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 9124 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	12.6
10°-20°	50.7	24.9
20°-30°	44.8	22.0
30°-40°	29.5	14.4
40°-50°	17.2	8.4
50°-60°	12.7	6.2
60°-70°	10.8	5.3
70°-80°	8.9	4.4
80°-90°	3.7	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°	121.2	59.4
0°-40°	150.7	73.9
0°-60°	180.6	88.5
0°-90°	204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	304	304	304	304	304	
5°	285	285	285	285	285	26
15°	183	183	181	183	184	51
25°	101	98	94	96	100	47
35°	48	47	45	46	48	31
45°	21	21	22	21	21	17
55°	14	14	14	14	14	13
65°	12	11	10	11	12	12
75°	11	8	7	8	11	11
85°	4	4	2	4	4	4
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	304.3	304.3	304.3	304.3	304.3
1°	303.2	303.6	303.6	303.9	303.9
2°	300.2	301.0	301.3	301.3	301.3
3°	296.5	296.9	297.3	297.7	297.7
4°	291.4	291.7	291.7	292.5	292.8
5°	284.7	284.7	285.1	285.4	285.1
6°	276.9	276.9	277.3	277.3	277.3
7°	267.7	268.1	268.4	268.8	268.4
8°	257.7	258.1	259.2	259.2	258.8
9°	247.7	248.1	248.1	249.2	249.2
10°	237.8	237.8	237.0	237.8	238.5
12.5°	210.8	210.4	209.3	210.4	211.1
15°	183.4	183.4	180.8	183.0	183.8
17.5°	161.2	157.9	155.3	157.5	159.4
20°	138.7	135.3	132.4	134.6	136.8
22.5°	118.3	115.7	112.0	114.3	116.8
25°	100.9	97.6	93.9	96.5	99.5
27.5°	86.5	82.1	78.4	81.3	83.9
30°	71.7	68.8	65.4	67.7	70.3
32.5°	59.2	56.9	54.4	56.2	58.4
35°	48.4	46.6	45.1	46.2	47.7
37.5°	38.8	38.1	37.3	37.7	37.7
40°	30.7	31.1	31.1	31.1	30.3
42.5°	25.1	25.5	26.3	25.5	25.1
45°	21.1	21.4	22.2	21.4	21.1
47.5°	18.5	18.9	19.2	18.5	18.5
50°	16.6	16.6	16.6	16.6	16.6
52.5°	15.5	15.2	15.2	15.2	15.5
55°	14.4	14.1	13.7	14.1	14.4
57.5°	13.3	12.9	12.6	12.9	13.3
60°	12.9	12.2	11.8	12.2	12.6
62.5°	12.2	11.5	11.1	11.5	12.2
65°	11.8	10.7	10.4	10.7	11.8
67.5°	11.5	10.0	9.2	10.0	11.5
70°	11.5	9.2	8.5	9.6	11.5
72.5°	11.1	8.9	7.4	8.9	11.1
75°	11.1	8.1	6.7	8.5	11.1
77.5°	10.4	7.4	5.5	7.8	10.4
80°	9.2	6.7	4.8	7.0	8.9
82.5°	6.7	5.5	3.7	5.5	6.7
85°	3.7	4.1	2.2	3.7	4.1
87.5°	0.4	1.1	0.7	2.2	1.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)