

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: P1312140

Luminaire Tested: P3SQAS05R359727DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359727DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

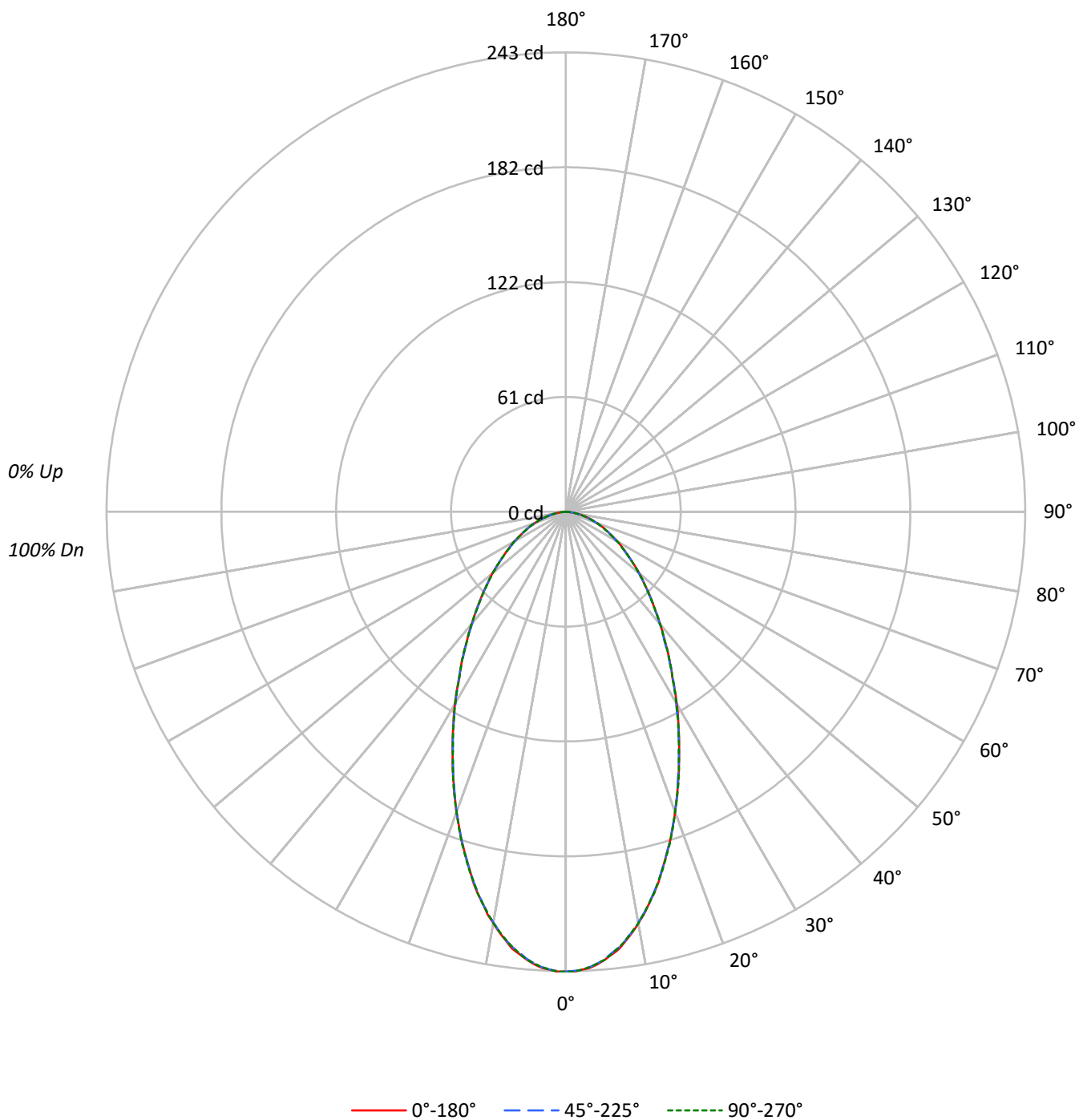
Lumens per Lamp: N/A
Luminaire Lumens: 325.0 lumens
Efficiency: N/A
Efficacy: 45.1 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	103	100	108	105	101	99	100	98	95		97	95	93		93
2	103	96	90	85	100	94	89	84	90	86	82		87	84	81		84
3	95	86	79	74	93	85	78	73	82	76	72		79	75	71		77
4	88	78	71	65	86	77	70	65	75	68	64		72	67	63		70
5	82	71	64	58	80	70	63	58	68	62	57		66	61	56		65
6	77	65	58	52	75	65	57	52	63	56	51		61	55	51		60
7	72	60	53	47	71	60	52	47	58	52	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	43		53	47	43		52
9	64	52	45	40	63	51	44	40	50	44	39		49	44	39		48
10	60	49	42	37	59	48	41	37	47	41	37		46	41	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	41902	41902	41902
5°	41111	41042	41111
10°	38648	38578	38648
15°	35000	35000	35071
20°	30974	30974	30974
25°	26946	26870	26870
30°	23347	23188	23267
35°	20099	20015	20099
40°	17446	17356	17446
45°	15320	15222	15222
50°	13611	13477	13477
55°	11950	11950	11950
60°	10850	10678	10850
65°	9740	9740	9740
70°	8661	8661	8661
75°	7785	7519	7785
80°	6645	6645	6645
85°	4150	4150	4150

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15320 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.1	6.8
10°-20°	54.8	16.8
20°-30°	65.1	20.0
30°-40°	59.8	18.4
40°-50°	48.5	14.9
50°-60°	35.9	11.0
60°-70°	23.8	7.3
70°-80°	12.3	3.8
80°-90°	2.8	0.8
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°	142.0	43.7
0°-40°	201.7	62.1
0°-60°	286.2	88.1
0°-90°	325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	325.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	243	243	243	243	243	
5°	238	237	237	237	238	22
15°	196	196	196	196	197	55
25°	142	141	141	142	141	65
35°	96	95	95	96	96	60
45°	63	62	62	62	62	49
55°	40	40	40	40	40	36
65°	24	24	24	24	24	24
75°	12	12	11	12	12	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	243.3	243.3	243.3	243.3	243.3
1°	243.3	242.9	242.9	242.9	243.3
2°	242.4	242.4	242.4	242.4	242.4
3°	241.6	241.2	241.2	241.2	241.2
4°	239.9	239.5	239.5	239.5	239.5
5°	237.8	237.4	237.4	237.4	237.8
6°	235.3	234.9	234.5	234.5	234.9
7°	232.8	232.0	232.0	232.0	232.0
8°	229.0	228.6	228.6	228.6	228.6
9°	225.2	224.4	224.8	224.8	224.8
10°	221.0	220.6	220.6	220.6	221.0
11°	216.9	216.4	216.4	216.0	216.4
12°	211.8	211.8	211.8	211.8	211.8
13°	207.2	206.8	206.8	206.8	207.2
14°	202.2	201.8	201.8	201.8	201.8
15°	196.3	196.3	196.3	196.3	196.7
17.5°	182.9	182.5	182.9	182.9	183.3
20°	169.0	168.6	169.0	169.0	169.0
22.5°	155.2	155.2	154.8	155.2	155.6
25°	141.8	141.4	141.4	141.8	141.4
27.5°	129.2	128.8	128.8	128.8	128.8
30°	117.4	116.6	116.6	117.0	117.0
32.5°	105.3	105.3	105.7	105.3	105.3
35°	95.6	95.2	95.2	95.6	95.6
37.5°	86.0	85.6	85.6	86.0	86.0
40°	77.6	77.6	77.2	77.6	77.6
42.5°	69.6	69.6	69.6	69.6	69.6
45°	62.9	62.5	62.5	62.5	62.5
47.5°	56.2	56.2	56.2	55.8	56.2
50°	50.8	50.3	50.3	50.3	50.3
52.5°	44.9	44.9	44.9	44.9	44.9
55°	39.8	39.8	39.8	39.8	39.8
57.5°	35.7	35.2	35.2	35.2	35.2
60°	31.5	31.5	31.0	31.5	31.5
62.5°	27.3	27.3	27.3	27.3	27.3
65°	23.9	23.9	23.9	23.9	23.9
67.5°	20.6	20.6	20.6	20.6	20.6
70°	17.2	17.2	17.2	17.2	17.2
72.5°	14.7	14.3	14.3	14.3	14.3
75°	11.7	11.7	11.3	11.7	11.7
77.5°	8.8	8.8	8.8	8.8	8.8
80°	6.7	6.7	6.7	6.3	6.7
82.5°	4.2	4.2	4.2	4.2	4.2
85°	2.1	2.1	2.1	2.1	2.1
87.5°	0.4	0.4	0.4	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)