

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: P1316122

Luminaire Tested: P3SQAS09R359827DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316122
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: P3SQAS09R359827DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

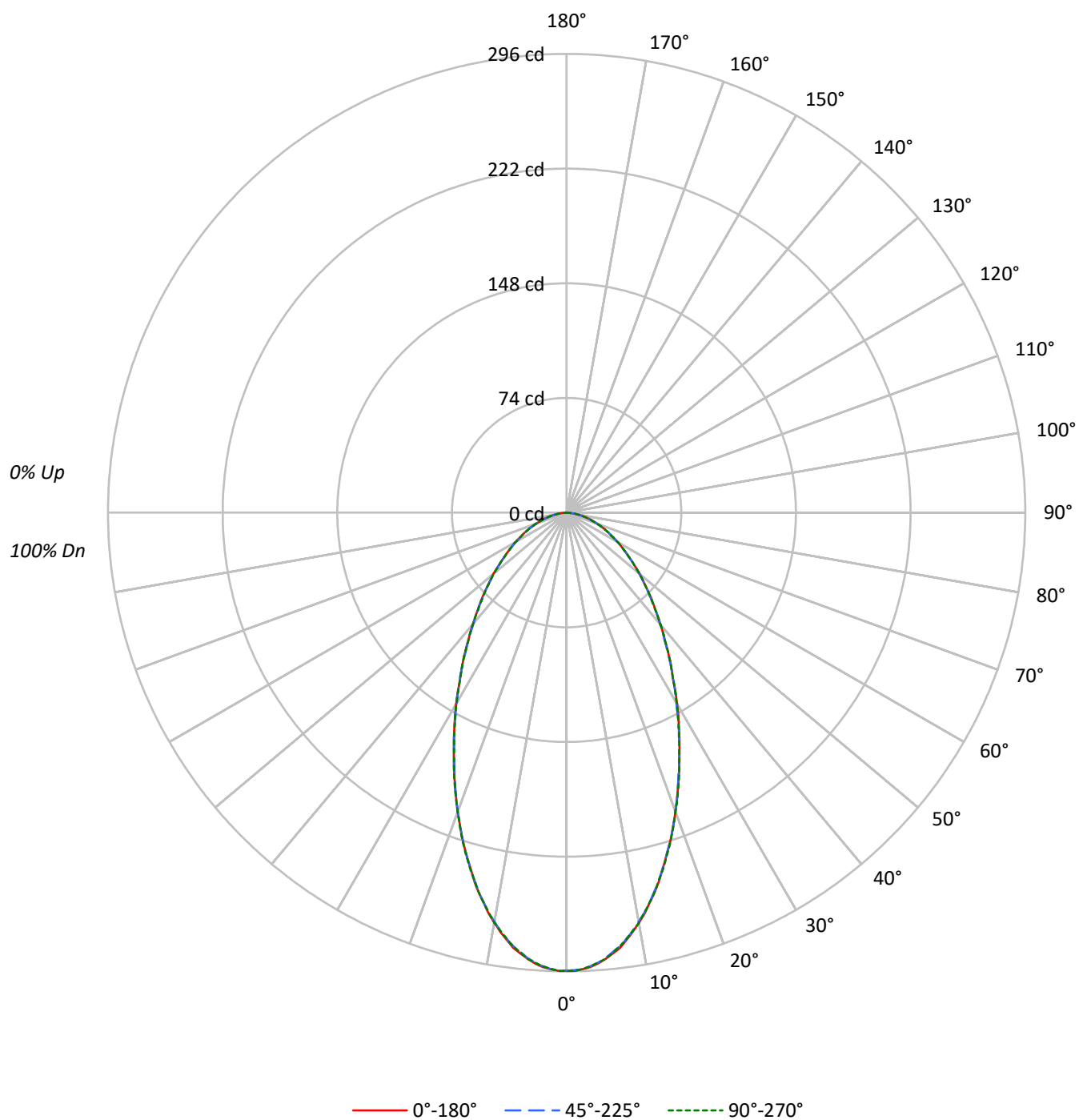
Lumens per Lamp: N/A
Luminaire Lumens: 395.0 lumens
Efficiency: N/A
Efficacy: 35.9 lumens/watt
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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°	50926	50926	50926
5°	49962	49876	49962
10°	46990	46885	46990
15°	42542	42542	42631
20°	37645	37645	37645
25°	32742	32647	32647
30°	28378	28179	28279
35°	24430	24325	24430
40°	21201	21088	21201
45°	18632	18511	18511
50°	16531	16397	16397
55°	14533	14533	14533
60°	13158	12986	13158
65°	11859	11859	11859
70°	10524	10524	10524
75°	9515	9183	9515
80°	8133	8133	8133
85°	4940	4940	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18632 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	6.8
10°-20°	66.5	16.8
20°-30°	79.1	20.0
30°-40°	72.7	18.4
40°-50°	59.0	14.9
50°-60°	43.6	11.0
60°-70°	28.9	7.3
70°-80°	14.9	3.8
80°-90°	3.3	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°	172.5	43.7
0°-40°	245.2	62.1
0°-60°	347.8	88.1
0°-90°	395.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	395.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	296	296	296	296	296	
5°	289	288	288	288	289	27
15°	239	239	239	239	239	67
25°	172	172	172	172	172	79
35°	116	116	116	116	116	73
45°	76	76	76	76	76	59
55°	48	48	48	48	48	44
65°	29	29	29	29	29	29
75°	14	14	14	14	14	15
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°	295.7	295.7	295.7	295.7	295.7
1°	295.7	295.2	295.2	295.2	295.7
2°	294.7	294.7	294.7	294.7	294.7
3°	293.6	293.1	293.1	293.1	293.1
4°	291.6	291.1	291.1	291.1	291.1
5°	289.0	288.5	288.5	288.5	289.0
6°	286.0	285.5	285.0	285.0	285.5
7°	282.9	281.9	281.9	281.9	281.9
8°	278.3	277.8	277.8	277.8	277.8
9°	273.8	272.7	273.2	273.2	273.2
10°	268.7	268.1	268.1	268.1	268.7
11°	263.6	263.0	263.0	262.5	263.0
12°	257.4	257.4	257.4	257.4	257.4
13°	251.8	251.3	251.3	251.3	251.8
14°	245.7	245.2	245.2	245.2	245.2
15°	238.6	238.6	238.6	238.6	239.1
17.5°	222.3	221.8	222.3	222.3	222.8
20°	205.4	204.9	205.4	205.4	205.4
22.5°	188.6	188.6	188.1	188.6	189.1
25°	172.3	171.8	171.8	172.3	171.8
27.5°	157.0	156.5	156.5	156.5	156.5
30°	142.7	141.7	141.7	142.2	142.2
32.5°	128.0	128.0	128.5	128.0	128.0
35°	116.2	115.7	115.7	116.2	116.2
37.5°	104.5	104.0	104.0	104.5	104.5
40°	94.3	94.3	93.8	94.3	94.3
42.5°	84.6	84.6	84.6	84.6	84.6
45°	76.5	76.0	76.0	76.0	76.0
47.5°	68.3	68.3	68.3	67.8	68.3
50°	61.7	61.2	61.2	61.2	61.2
52.5°	54.5	54.5	54.5	54.5	54.5
55°	48.4	48.4	48.4	48.4	48.4
57.5°	43.3	42.8	42.8	42.8	42.8
60°	38.2	38.2	37.7	38.2	38.2
62.5°	33.1	33.1	33.1	33.1	33.1
65°	29.1	29.1	29.1	29.1	29.1
67.5°	25.0	25.0	25.0	25.0	25.0
70°	20.9	20.9	20.9	20.9	20.9
72.5°	17.8	17.3	17.3	17.3	17.3
75°	14.3	14.3	13.8	14.3	14.3
77.5°	10.7	10.7	10.7	10.7	10.7
80°	8.2	8.2	8.2	7.6	8.2
82.5°	5.1	5.1	5.1	5.1	5.1
85°	2.5	2.5	2.5	2.5	2.5
87.5°	0.5	0.5	0.5	1.0	1.0



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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)