

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: P1317677

Luminaire Tested: P3SQAS05R209835DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317677
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R209835DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

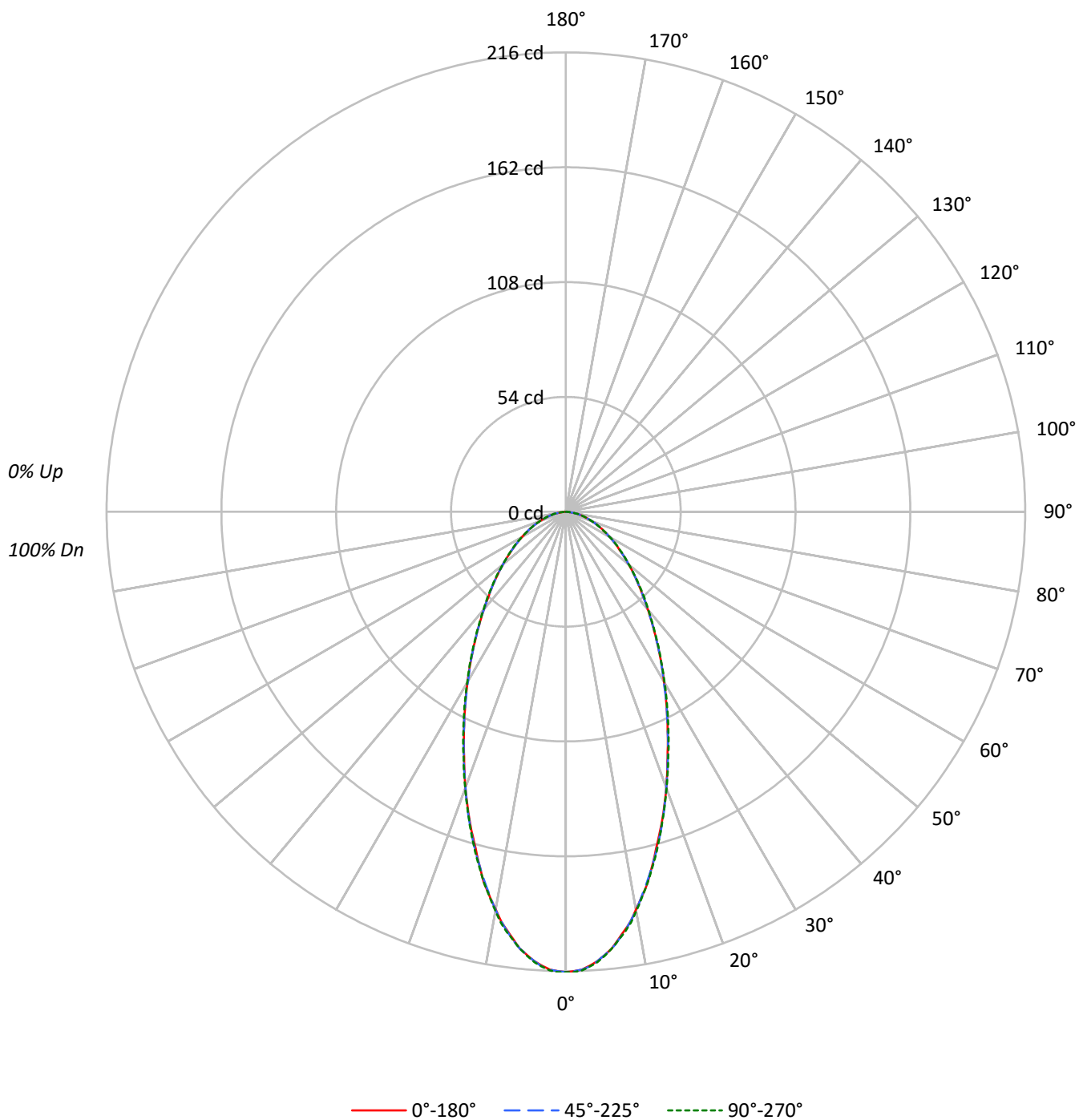
Lumens per Lamp: N/A
Luminaire Lumens: 259.0 lumens
Efficiency: N/A
Efficacy: 36.0 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	37286	37286	37286
5°	36167	36167	36236
10°	33210	33262	33332
15°	29223	29366	29437
20°	25292	25292	25365
25°	21530	21530	21682
30°	18375	18296	18455
35°	15684	15684	15768
40°	13467	13467	13557
45°	11764	11764	11861
50°	10369	10369	10369
55°	9158	9158	9278
60°	8267	8267	8267
65°	7417	7417	7417
70°	6596	6596	6596
75°	5922	5656	5922
80°	4959	4959	4959
85°	2964	2964	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11861 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.4	7.5
10°-20°	45.8	17.7
20°-30°	52.2	20.2
30°-40°	46.9	18.1
40°-50°	37.5	14.5
50°-60°	27.6	10.7
60°-70°	18.1	7.0
70°-80°	9.3	3.6
80°-90°	2.2	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°	117.4	45.3
0°-40°	164.3	63.4
0°-60°	229.4	88.6
0°-90°	259.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	259.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	216	216	216	216	216	
5°	209	209	209	209	210	19
15°	164	164	165	165	165	46
25°	113	113	113	114	114	52
35°	75	75	75	75	75	47
45°	48	48	48	48	49	37
55°	30	30	30	30	31	28
65°	18	18	18	18	18	18
75°	9	8	8	9	9	9
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	216.5	216.5	216.5	216.5	216.5
1°	216.1	215.8	216.1	216.1	216.5
2°	215.4	215.4	215.4	215.0	215.8
3°	213.8	213.8	214.2	213.8	214.2
4°	211.9	211.9	211.9	211.5	212.3
5°	209.2	209.2	209.2	209.2	209.6
6°	206.5	206.1	206.5	206.1	206.5
7°	202.6	202.6	203.0	202.6	203.0
8°	198.7	198.4	199.1	198.7	199.5
9°	194.9	194.5	194.9	194.5	195.7
10°	189.9	190.2	190.2	190.2	190.6
12.5°	178.3	177.5	177.5	177.5	178.3
15°	163.9	163.9	164.7	164.7	165.1
17.5°	151.2	150.8	151.6	151.6	151.6
20°	138.0	137.7	138.0	138.0	138.4
22.5°	124.9	125.3	125.3	125.3	125.7
25°	113.3	113.3	113.3	113.7	114.1
27.5°	102.5	102.1	102.5	102.9	103.2
30°	92.4	92.0	92.0	92.4	92.8
32.5°	83.1	82.7	83.1	83.1	83.5
35°	74.6	74.6	74.6	74.6	75.0
37.5°	66.9	66.9	66.9	67.3	67.3
40°	59.9	59.9	59.9	60.3	60.3
42.5°	53.7	53.7	53.7	54.1	54.5
45°	48.3	48.3	48.3	48.3	48.7
47.5°	43.3	43.3	43.3	43.7	43.7
50°	38.7	38.3	38.7	39.1	38.7
52.5°	34.4	34.4	34.4	34.4	34.8
55°	30.5	30.5	30.5	30.5	30.9
57.5°	27.1	27.1	27.1	27.5	27.5
60°	24.0	24.0	24.0	24.0	24.0
62.5°	20.9	20.9	20.9	20.9	20.9
65°	18.2	17.8	18.2	18.2	18.2
67.5°	15.5	15.5	15.5	15.5	15.5
70°	13.1	13.1	13.1	13.1	13.1
72.5°	10.8	10.8	10.8	10.8	10.8
75°	8.9	8.5	8.5	8.9	8.9
77.5°	7.0	6.6	7.0	7.0	7.0
80°	5.0	5.0	5.0	5.0	5.0
82.5°	3.1	3.1	3.1	3.5	3.5
85°	1.5	1.5	1.5	1.9	1.9
87.5°	0.4	0.4	0.4	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)