

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: P1316801

Luminaire Tested: P3SQAS05R209830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316801
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: P3SQAS05R209830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

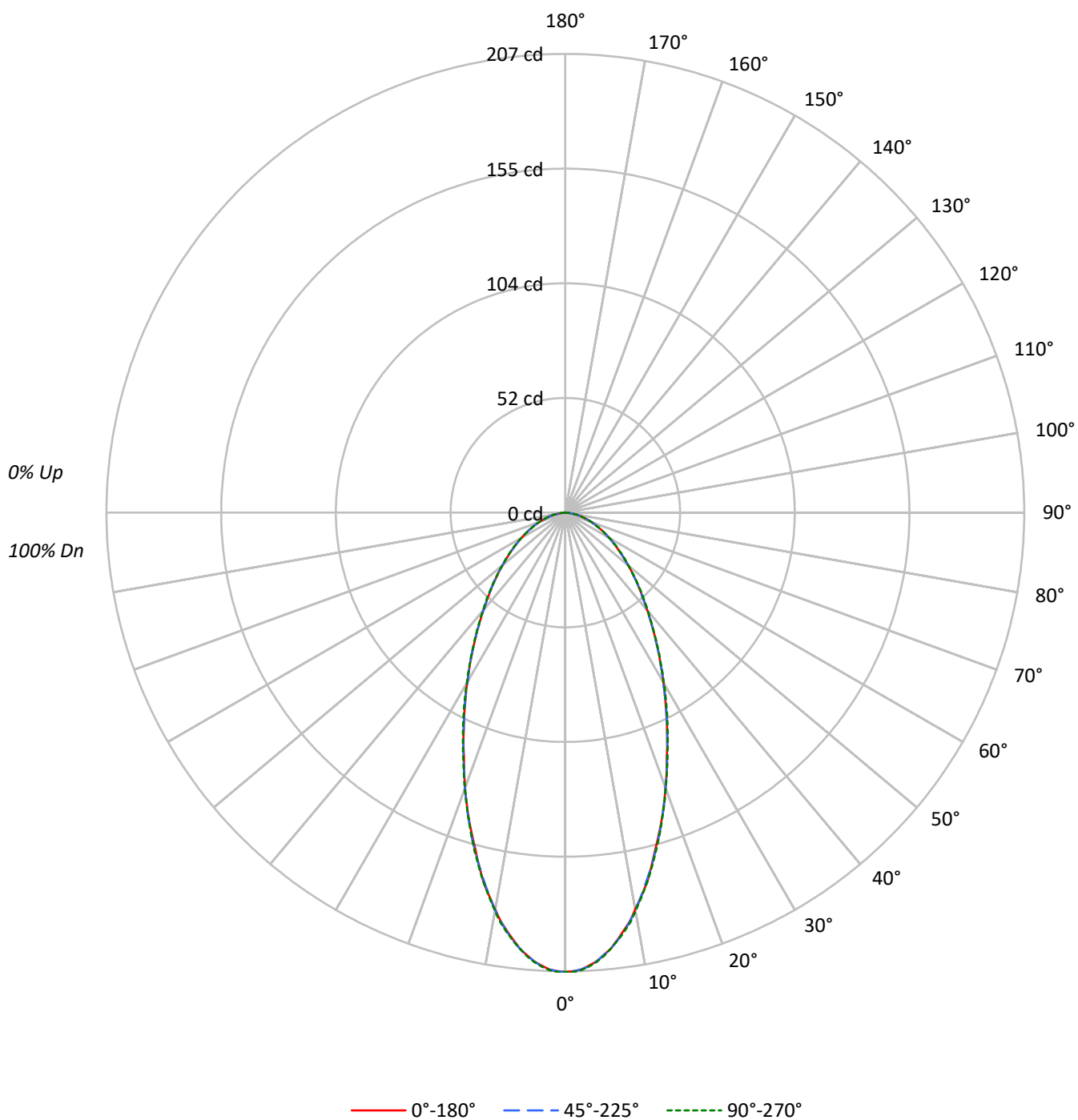
Lumens per Lamp: N/A
Luminaire Lumens: 248.0 lumens
Efficiency: N/A
Efficacy: 34.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	71		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	45	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°	35702	35702	35702
5°	34628	34628	34697
10°	31793	31863	31916
15°	27993	28118	28189
20°	24229	24229	24284
25°	20618	20618	20751
30°	17600	17520	17679
35°	15033	15033	15096
40°	12905	12905	12995
45°	11277	11277	11374
50°	9913	9913	9913
55°	8768	8768	8888
60°	7922	7922	7922
65°	7091	7091	7091
70°	6345	6345	6345
75°	5656	5390	5656
80°	4761	4761	4761
85°	2964	2964	3754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.5	7.5
10°-20°	43.9	17.7
20°-30°	50.0	20.2
30°-40°	44.9	18.1
40°-50°	36.0	14.5
50°-60°	26.4	10.7
60°-70°	17.3	7.0
70°-80°	9.0	3.6
80°-90°	2.1	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°	112.4	45.3
0°-40°	157.3	63.4
0°-60°	219.7	88.6
0°-90°	248.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	248.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	207	207	207	207	207	
5°	200	200	200	200	201	19
15°	157	157	158	158	158	44
25°	108	108	108	109	109	50
35°	72	72	72	72	72	45
45°	46	46	46	46	47	36
55°	29	29	29	29	30	26
65°	17	17	17	17	17	17
75°	8	8	8	8	8	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°	207.3	207.3	207.3	207.3	207.3
1°	207.0	206.6	207.0	207.0	207.3
2°	206.2	206.2	206.2	205.9	206.6
3°	204.7	204.7	205.1	204.7	205.1
4°	202.9	202.9	202.9	202.5	203.3
5°	200.3	200.3	200.3	200.3	200.7
6°	197.7	197.3	197.7	197.3	197.7
7°	194.0	194.0	194.4	194.0	194.4
8°	190.3	189.9	190.7	190.3	191.0
9°	186.6	186.2	186.6	186.2	187.3
10°	181.8	182.2	182.2	182.2	182.5
12.5°	170.7	169.9	169.9	169.9	170.7
15°	157.0	157.0	157.7	157.7	158.1
17.5°	144.8	144.4	145.1	145.1	145.1
20°	132.2	131.8	132.2	132.2	132.5
22.5°	119.6	120.0	120.0	120.0	120.3
25°	108.5	108.5	108.5	108.9	109.2
27.5°	98.1	97.7	98.1	98.5	98.9
30°	88.5	88.1	88.1	88.5	88.9
32.5°	79.6	79.2	79.6	79.6	80.0
35°	71.5	71.5	71.5	71.5	71.8
37.5°	64.1	64.1	64.1	64.4	64.4
40°	57.4	57.4	57.4	57.8	57.8
42.5°	51.5	51.5	51.5	51.8	52.2
45°	46.3	46.3	46.3	46.3	46.7
47.5°	41.5	41.5	41.5	41.8	41.8
50°	37.0	36.7	37.0	37.4	37.0
52.5°	33.0	33.0	33.0	33.0	33.3
55°	29.2	29.2	29.2	29.2	29.6
57.5°	25.9	25.9	25.9	26.3	26.3
60°	23.0	23.0	23.0	23.0	23.0
62.5°	20.0	20.0	20.0	20.0	20.0
65°	17.4	17.0	17.4	17.4	17.4
67.5°	14.8	14.8	14.8	14.8	14.8
70°	12.6	12.6	12.6	12.6	12.6
72.5°	10.4	10.4	10.4	10.4	10.4
75°	8.5	8.1	8.1	8.5	8.5
77.5°	6.7	6.3	6.7	6.7	6.7
80°	4.8	4.8	4.8	4.8	4.8
82.5°	3.0	3.0	3.0	3.3	3.3
85°	1.5	1.5	1.5	1.9	1.9
87.5°	0.4	0.4	0.4	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)