

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: P1317239

Luminaire Tested: P3SQAS17R209830DE010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317239
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: P3SQAS17R209830DE010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 98CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

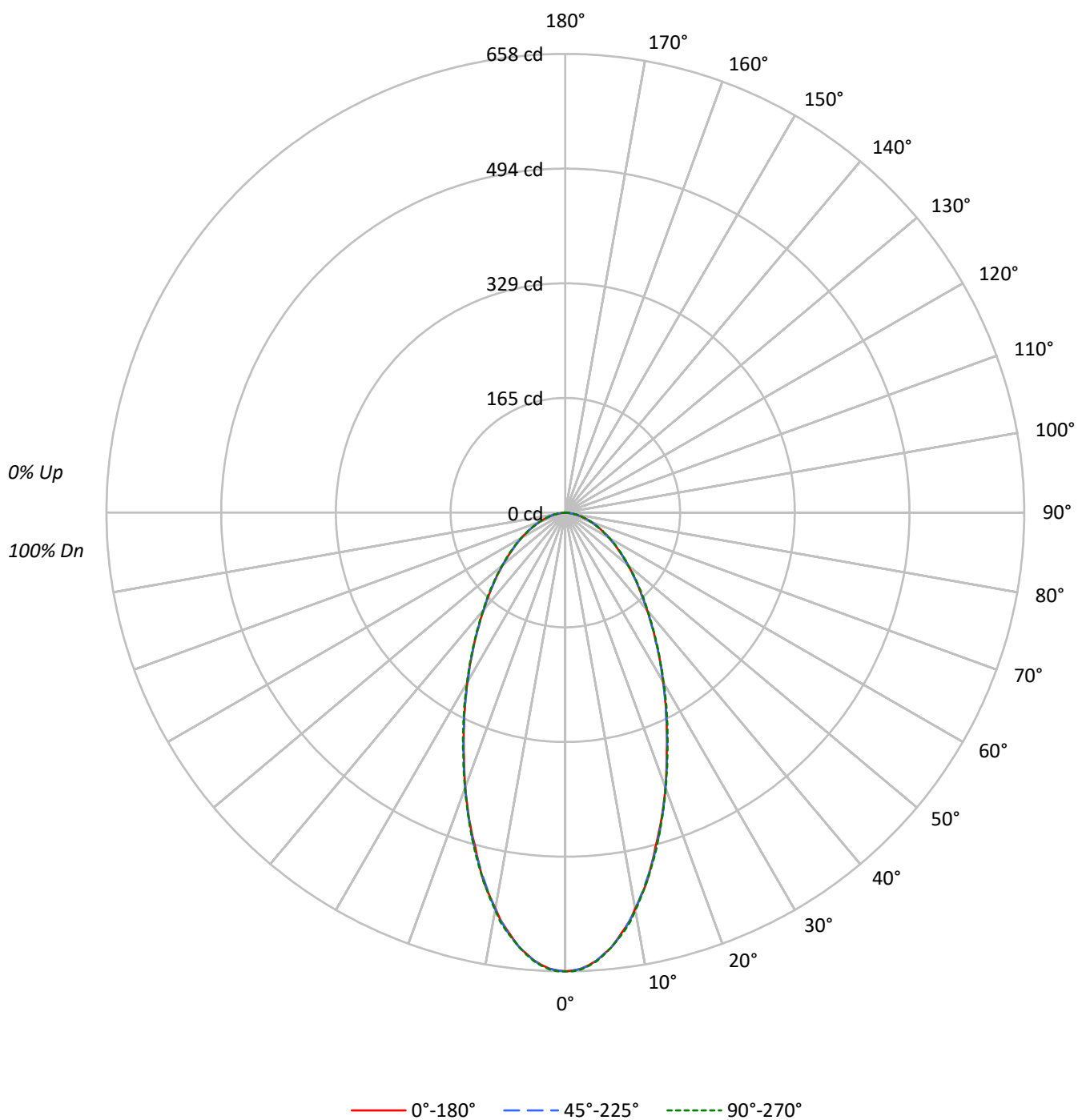
Lumens per Lamp: N/A
Luminaire Lumens: 787.0 lumens
Efficiency: N/A
Efficacy: 38.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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°	113322	113322	113322
5°	109883	109883	110090
10°	100888	101098	101290
15°	88828	89238	89452
20°	76884	76884	77086
25°	65426	65426	65863
30°	55841	55603	56080
35°	47684	47684	47915
40°	40940	40940	41210
45°	35779	35779	36047
50°	31482	31482	31482
55°	27864	27864	28225
60°	25076	25076	25076
65°	22495	22495	22495
70°	20091	20091	20091
75°	17966	17168	17966
80°	15174	15174	15174
85°	9287	9287	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 36047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	7.5
10°-20°	139.3	17.7
20°-30°	158.6	20.2
30°-40°	142.4	18.1
40°-50°	114.1	14.5
50°-60°	83.8	10.7
60°-70°	54.8	7.0
70°-80°	28.4	3.6
80°-90°	6.6	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°	356.8	45.3
0°-40°	499.2	63.4
0°-60°	697.2	88.6
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	658	658	658	658	658	
5°	636	636	636	636	637	59
15°	498	498	500	500	502	139
25°	344	344	344	345	347	158
35°	227	227	227	227	228	142
45°	147	147	147	147	148	114
55°	93	93	93	93	94	84
65°	55	54	55	55	55	55
75°	27	26	26	27	27	29
85°	5	5	5	6	6	6
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	658.0	658.0	658.0	658.0	658.0
1°	656.8	655.6	656.8	656.8	658.0
2°	654.4	654.4	654.4	653.3	655.6
3°	649.7	649.7	650.9	649.7	650.9
4°	643.9	643.9	643.9	642.7	645.0
5°	635.6	635.6	635.6	635.6	636.8
6°	627.4	626.2	627.4	626.2	627.4
7°	615.7	615.7	616.8	615.7	616.8
8°	603.9	602.7	605.1	603.9	606.3
9°	592.2	591.0	592.2	591.0	594.5
10°	576.9	578.1	578.1	578.1	579.2
12.5°	541.6	539.3	539.3	539.3	541.6
15°	498.2	498.2	500.5	500.5	501.7
17.5°	459.4	458.2	460.6	460.6	460.6
20°	419.5	418.3	419.5	419.5	420.6
22.5°	379.5	380.7	380.7	380.7	381.9
25°	344.3	344.3	344.3	345.4	346.6
27.5°	311.4	310.2	311.4	312.5	313.7
30°	280.8	279.6	279.6	280.8	282.0
32.5°	252.6	251.4	252.6	252.6	253.8
35°	226.8	226.8	226.8	226.8	227.9
37.5°	203.3	203.3	203.3	204.4	204.4
40°	182.1	182.1	182.1	183.3	183.3
42.5°	163.3	163.3	163.3	164.5	165.7
45°	146.9	146.9	146.9	146.9	148.0
47.5°	131.6	131.6	131.6	132.8	132.8
50°	117.5	116.3	117.5	118.7	117.5
52.5°	104.6	104.6	104.6	104.6	105.7
55°	92.8	92.8	92.8	92.8	94.0
57.5°	82.2	82.2	82.2	83.4	83.4
60°	72.8	72.8	72.8	72.8	72.8
62.5°	63.4	63.4	63.4	63.4	63.4
65°	55.2	54.0	55.2	55.2	55.2
67.5°	47.0	47.0	47.0	47.0	47.0
70°	39.9	39.9	39.9	39.9	39.9
72.5°	32.9	32.9	32.9	32.9	32.9
75°	27.0	25.8	25.8	27.0	27.0
77.5°	21.1	20.0	21.1	21.1	21.1
80°	15.3	15.3	15.3	15.3	15.3
82.5°	9.4	9.4	9.4	10.6	10.6
85°	4.7	4.7	4.7	5.9	5.9
87.5°	1.2	1.2	1.2	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)