

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: P1319400

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319400
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: P3SQAS02R20B2750DE010 E3SQPHLD1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

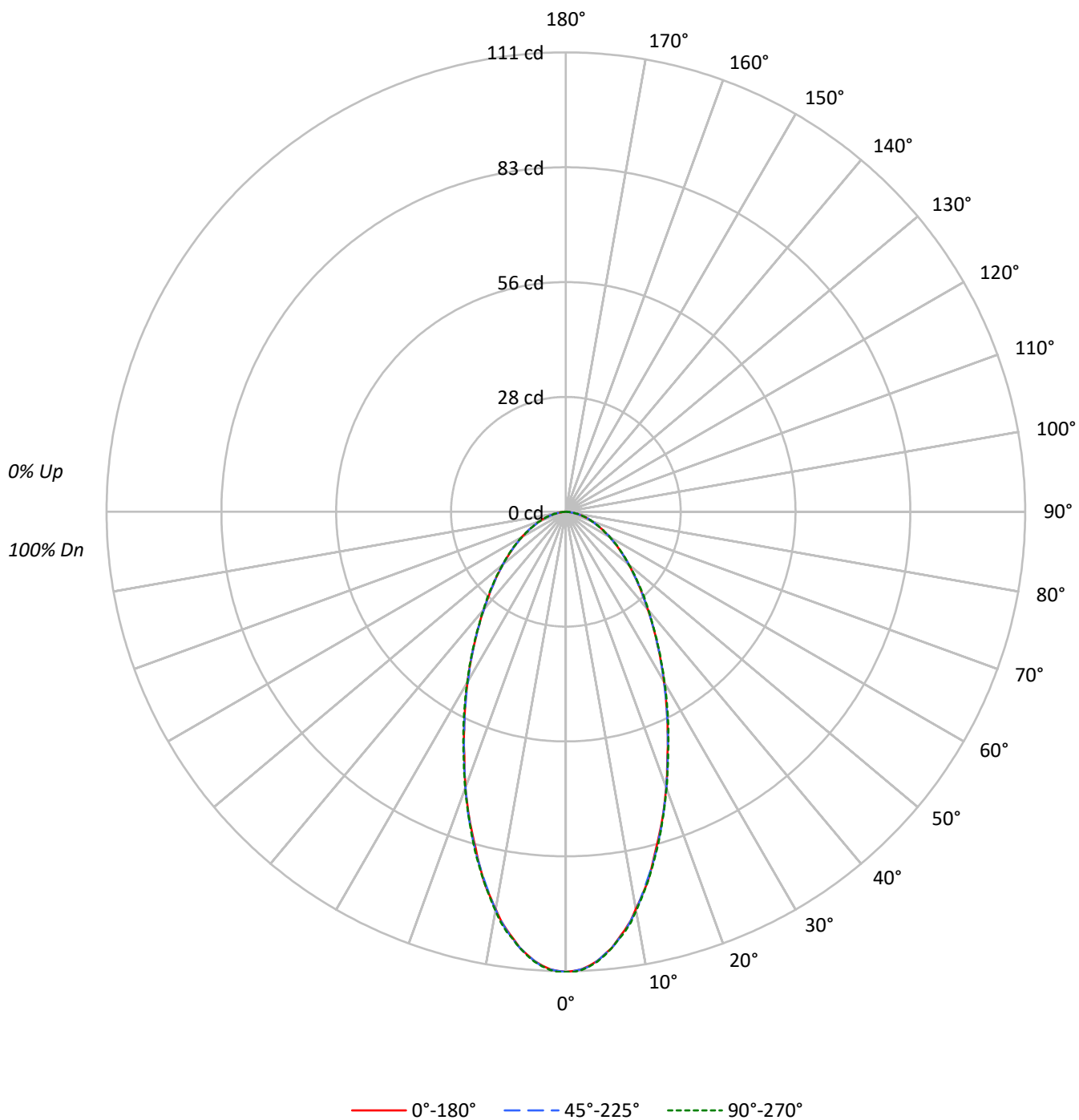
Lumens per Lamp: N/A
Luminaire Lumens: 133.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 2.9
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°	19151	19151	19151
5°	18567	18567	18602
10°	17051	17086	17121
15°	15013	15084	15120
20°	12994	12994	13031
25°	11060	11060	11136
30°	9446	9406	9486
35°	8052	8052	8094
40°	6924	6924	6969
45°	6040	6040	6089
50°	5332	5332	5332
55°	4714	4714	4774
60°	4237	4237	4237
65°	3790	3790	3790
70°	3424	3424	3424
75°	3061	2928	3061
80°	2579	2579	2579
85°	1581	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6089 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	7.5
10°-20°	23.5	17.7
20°-30°	26.8	20.2
30°-40°	24.1	18.1
40°-50°	19.3	14.5
50°-60°	14.2	10.7
60°-70°	9.2	7.0
70°-80°	4.8	3.6
80°-90°	1.1	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°	60.3	45.3
0°-40°	84.4	63.4
0°-60°	117.8	88.6
0°-90°	133.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	133.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	111	111	111	111	111	
5°	107	107	107	107	108	10
15°	84	84	85	85	85	24
25°	58	58	58	58	59	27
35°	38	38	38	38	38	24
45°	25	25	25	25	25	19
55°	16	16	16	16	16	14
65°	9	9	9	9	9	9
75°	5	4	4	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	111.2	111.2	111.2	111.2	111.2
1°	111.0	110.8	111.0	111.0	111.2
2°	110.6	110.6	110.6	110.4	110.8
3°	109.8	109.8	110.0	109.8	110.0
4°	108.8	108.8	108.8	108.6	109.0
5°	107.4	107.4	107.4	107.4	107.6
6°	106.0	105.8	106.0	105.8	106.0
7°	104.0	104.0	104.2	104.0	104.2
8°	102.1	101.9	102.3	102.1	102.5
9°	100.1	99.9	100.1	99.9	100.5
10°	97.5	97.7	97.7	97.7	97.9
12.5°	91.5	91.1	91.1	91.1	91.5
15°	84.2	84.2	84.6	84.6	84.8
17.5°	77.6	77.4	77.8	77.8	77.8
20°	70.9	70.7	70.9	70.9	71.1
22.5°	64.1	64.3	64.3	64.3	64.5
25°	58.2	58.2	58.2	58.4	58.6
27.5°	52.6	52.4	52.6	52.8	53.0
30°	47.5	47.3	47.3	47.5	47.7
32.5°	42.7	42.5	42.7	42.7	42.9
35°	38.3	38.3	38.3	38.3	38.5
37.5°	34.4	34.4	34.4	34.5	34.5
40°	30.8	30.8	30.8	31.0	31.0
42.5°	27.6	27.6	27.6	27.8	28.0
45°	24.8	24.8	24.8	24.8	25.0
47.5°	22.2	22.2	22.2	22.4	22.4
50°	19.9	19.7	19.9	20.1	19.9
52.5°	17.7	17.7	17.7	17.7	17.9
55°	15.7	15.7	15.7	15.7	15.9
57.5°	13.9	13.9	13.9	14.1	14.1
60°	12.3	12.3	12.3	12.3	12.3
62.5°	10.7	10.7	10.7	10.7	10.7
65°	9.3	9.1	9.3	9.3	9.3
67.5°	7.9	7.9	7.9	7.9	7.9
70°	6.8	6.8	6.8	6.8	6.8
72.5°	5.6	5.6	5.6	5.6	5.6
75°	4.6	4.4	4.4	4.6	4.6
77.5°	3.6	3.4	3.6	3.6	3.6
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.6	1.6	1.6	1.8	1.8
85°	0.8	0.8	0.8	1.0	1.0
87.5°	0.2	0.2	0.2	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)