

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: P1319399

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319399
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_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

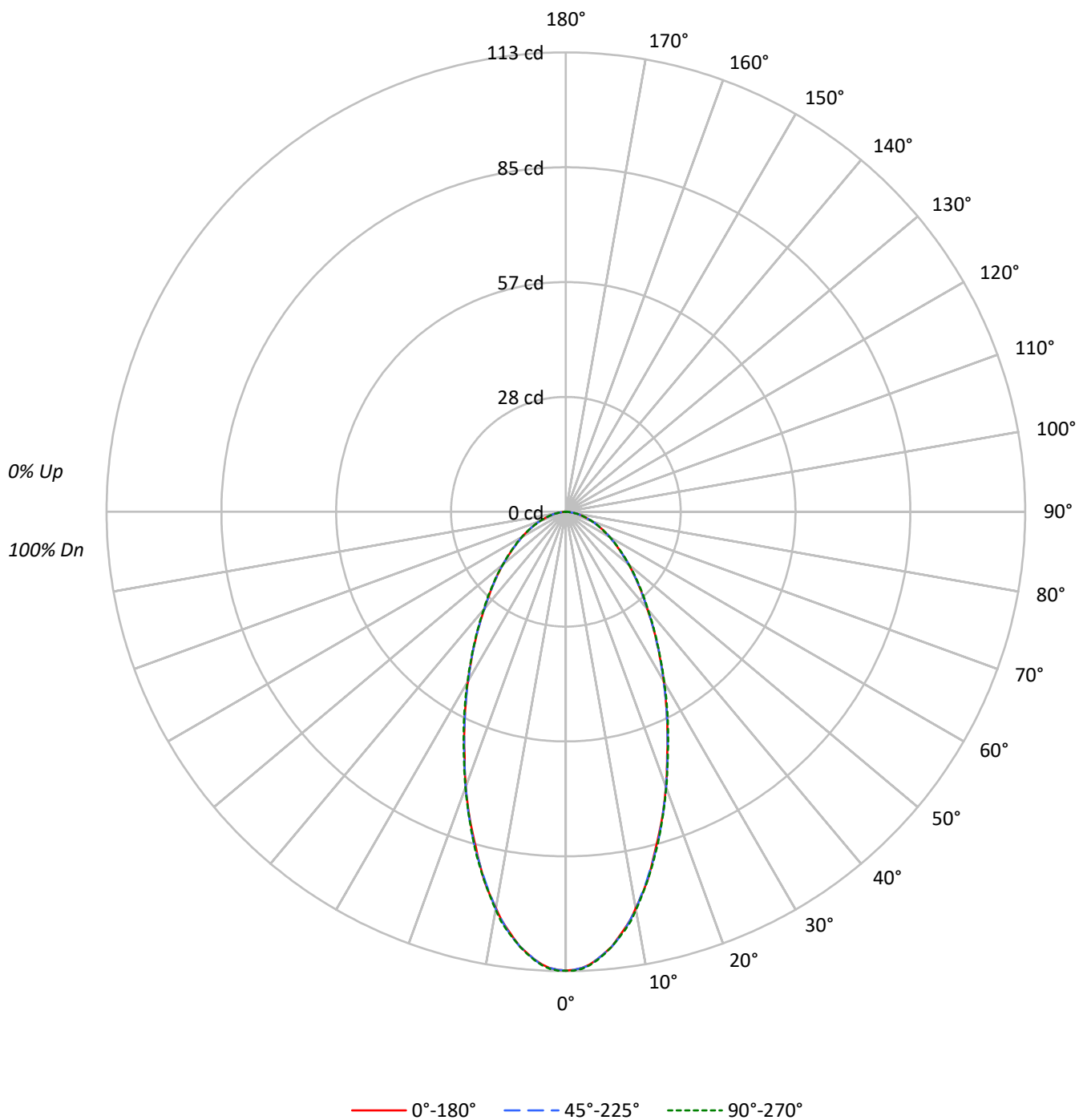
Lumens per Lamp: N/A
Luminaire Lumens: 135.0 lumens
Efficiency: N/A
Efficacy: 46.6 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	19444	19444	19444
5°	18844	18844	18879
10°	17313	17348	17383
15°	15244	15316	15351
20°	13196	13196	13232
25°	11231	11231	11307
30°	9585	9546	9625
35°	8179	8179	8221
40°	7014	7014	7059
45°	6138	6138	6186
50°	5412	5412	5412
55°	4774	4774	4834
60°	4306	4306	4306
65°	3871	3871	3871
70°	3474	3474	3474
75°	3061	2928	3061
80°	2579	2579	2579
85°	1581	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	7.5
10°-20°	23.9	17.7
20°-30°	27.2	20.2
30°-40°	24.4	18.1
40°-50°	19.6	14.5
50°-60°	14.4	10.6
60°-70°	9.4	7.0
70°-80°	4.9	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°	61.2	45.3
0°-40°	85.6	63.4
0°-60°	119.6	88.6
0°-90°	135.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	135.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	113	113	113	113	113	
5°	109	109	109	109	109	10
15°	86	86	86	86	86	24
25°	59	59	59	59	60	27
35°	39	39	39	39	39	24
45°	25	25	25	25	25	20
55°	16	16	16	16	16	14
65°	10	9	10	10	10	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°	112.9	112.9	112.9	112.9	112.9
1°	112.7	112.5	112.7	112.7	112.9
2°	112.3	112.3	112.3	112.1	112.5
3°	111.5	111.5	111.7	111.5	111.7
4°	110.4	110.4	110.4	110.2	110.6
5°	109.0	109.0	109.0	109.0	109.2
6°	107.6	107.4	107.6	107.4	107.6
7°	105.6	105.6	105.8	105.6	105.8
8°	103.6	103.4	103.8	103.6	104.0
9°	101.6	101.4	101.6	101.4	102.0
10°	99.0	99.2	99.2	99.2	99.4
12.5°	92.9	92.5	92.5	92.5	92.9
15°	85.5	85.5	85.9	85.9	86.1
17.5°	78.8	78.6	79.0	79.0	79.0
20°	72.0	71.8	72.0	72.0	72.2
22.5°	65.1	65.3	65.3	65.3	65.5
25°	59.1	59.1	59.1	59.3	59.5
27.5°	53.4	53.2	53.4	53.6	53.8
30°	48.2	48.0	48.0	48.2	48.4
32.5°	43.3	43.1	43.3	43.3	43.5
35°	38.9	38.9	38.9	38.9	39.1
37.5°	34.9	34.9	34.9	35.1	35.1
40°	31.2	31.2	31.2	31.4	31.4
42.5°	28.0	28.0	28.0	28.2	28.4
45°	25.2	25.2	25.2	25.2	25.4
47.5°	22.6	22.6	22.6	22.8	22.8
50°	20.2	20.0	20.2	20.4	20.2
52.5°	17.9	17.9	17.9	17.9	18.1
55°	15.9	15.9	15.9	15.9	16.1
57.5°	14.1	14.1	14.1	14.3	14.3
60°	12.5	12.5	12.5	12.5	12.5
62.5°	10.9	10.9	10.9	10.9	10.9
65°	9.5	9.3	9.5	9.5	9.5
67.5°	8.1	8.1	8.1	8.1	8.1
70°	6.9	6.9	6.9	6.9	6.9
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)