

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: P1319401

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLD1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319401
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 80CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

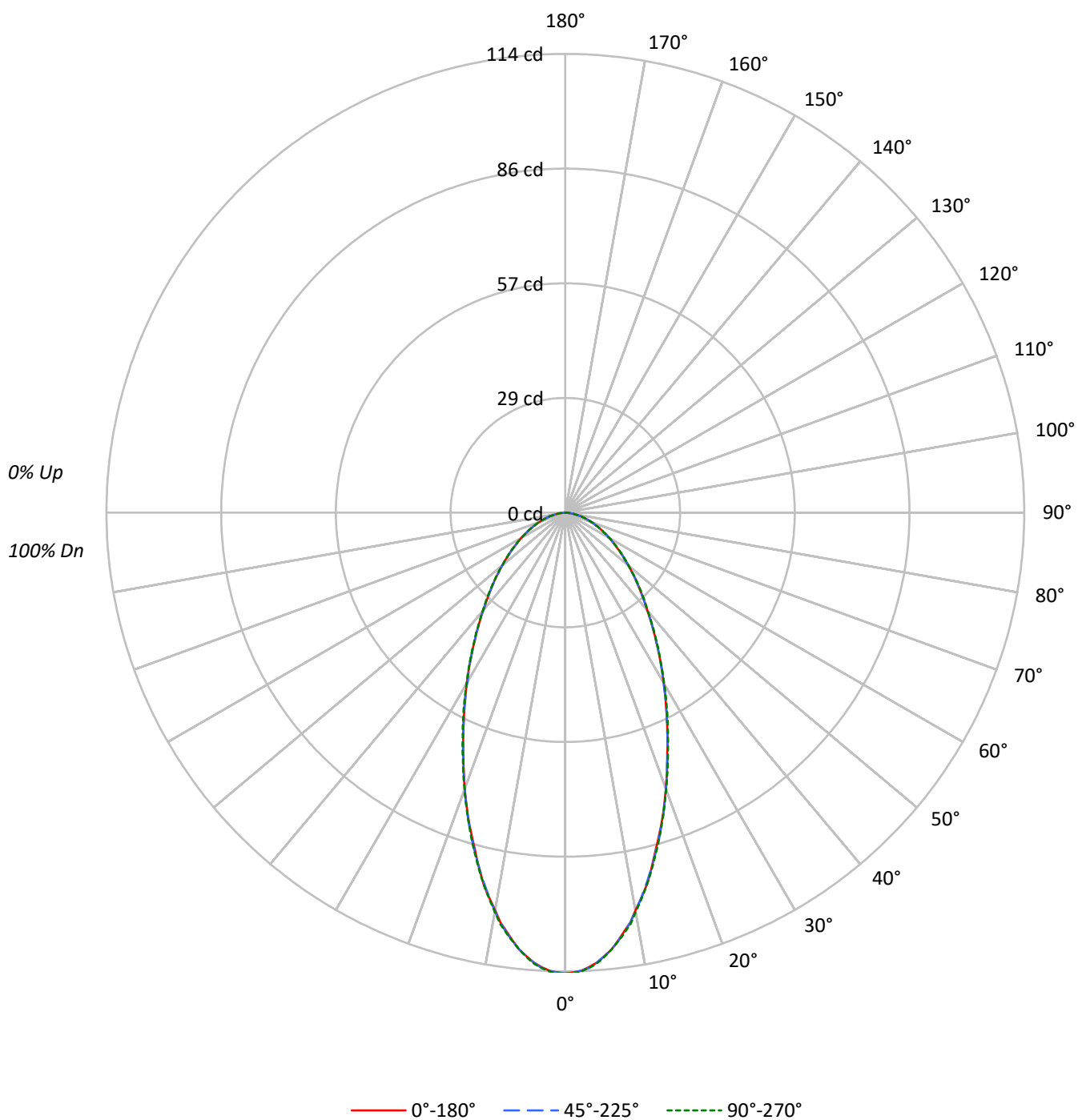
Lumens per Lamp: N/A
Luminaire Lumens: 137.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319401

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQPHLD1MW_3500K

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96		97	95	93		93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19719	19719	19719
5°	19138	19138	19172
10°	17558	17593	17628
15°	15458	15530	15565
20°	13379	13379	13416
25°	11383	11383	11459
30°	9725	9685	9764
35°	8305	8305	8347
40°	7127	7127	7172
45°	6235	6235	6284
50°	5493	5493	5493
55°	4864	4864	4924
60°	4374	4374	4374
65°	3912	3912	3912
70°	3525	3525	3525
75°	3127	2994	3127
80°	2678	2678	2678
85°	1581	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6284 cd/sqm

TEST NUMBER: P1319401

CATALOG NUMBER: P3SQAS02R20B2750DE010 E3SQPHLD1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.2	7.5
10°-20°	24.3	17.7
20°-30°	27.6	20.2
30°-40°	24.8	18.1
40°-50°	19.9	14.5
50°-60°	14.6	10.7
60°-70°	9.5	7.0
70°-80°	5.0	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°	62.1	45.3
0°-40°	86.9	63.4
0°-60°	121.4	88.6
0°-90°	137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	114	114	114	114	114	
5°	111	111	111	111	111	10
15°	87	87	87	87	87	24
25°	60	60	60	60	60	28
35°	40	40	40	40	40	25
45°	26	26	26	26	26	20
55°	16	16	16	16	16	15
65°	10	9	10	10	10	10
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°	114.5	114.5	114.5	114.5	114.5
1°	114.3	114.1	114.3	114.3	114.5
2°	113.9	113.9	113.9	113.7	114.1
3°	113.1	113.1	113.3	113.1	113.3
4°	112.1	112.1	112.1	111.9	112.3
5°	110.7	110.7	110.7	110.7	110.9
6°	109.2	109.0	109.2	109.0	109.2
7°	107.2	107.2	107.4	107.2	107.4
8°	105.1	104.9	105.3	105.1	105.5
9°	103.1	102.9	103.1	102.9	103.5
10°	100.4	100.6	100.6	100.6	100.8
12.5°	94.3	93.9	93.9	93.9	94.3
15°	86.7	86.7	87.1	87.1	87.3
17.5°	80.0	79.8	80.2	80.2	80.2
20°	73.0	72.8	73.0	73.0	73.2
22.5°	66.1	66.3	66.3	66.3	66.5
25°	59.9	59.9	59.9	60.1	60.3
27.5°	54.2	54.0	54.2	54.4	54.6
30°	48.9	48.7	48.7	48.9	49.1
32.5°	44.0	43.8	44.0	44.0	44.2
35°	39.5	39.5	39.5	39.5	39.7
37.5°	35.4	35.4	35.4	35.6	35.6
40°	31.7	31.7	31.7	31.9	31.9
42.5°	28.4	28.4	28.4	28.6	28.8
45°	25.6	25.6	25.6	25.6	25.8
47.5°	22.9	22.9	22.9	23.1	23.1
50°	20.5	20.2	20.5	20.7	20.5
52.5°	18.2	18.2	18.2	18.2	18.4
55°	16.2	16.2	16.2	16.2	16.4
57.5°	14.3	14.3	14.3	14.5	14.5
60°	12.7	12.7	12.7	12.7	12.7
62.5°	11.0	11.0	11.0	11.0	11.0
65°	9.6	9.4	9.6	9.6	9.6
67.5°	8.2	8.2	8.2	8.2	8.2
70°	7.0	7.0	7.0	7.0	7.0
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.7	4.5	4.5	4.7	4.7
77.5°	3.7	3.5	3.7	3.7	3.7
80°	2.7	2.7	2.7	2.7	2.7
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)