

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: P1319490

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319490
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

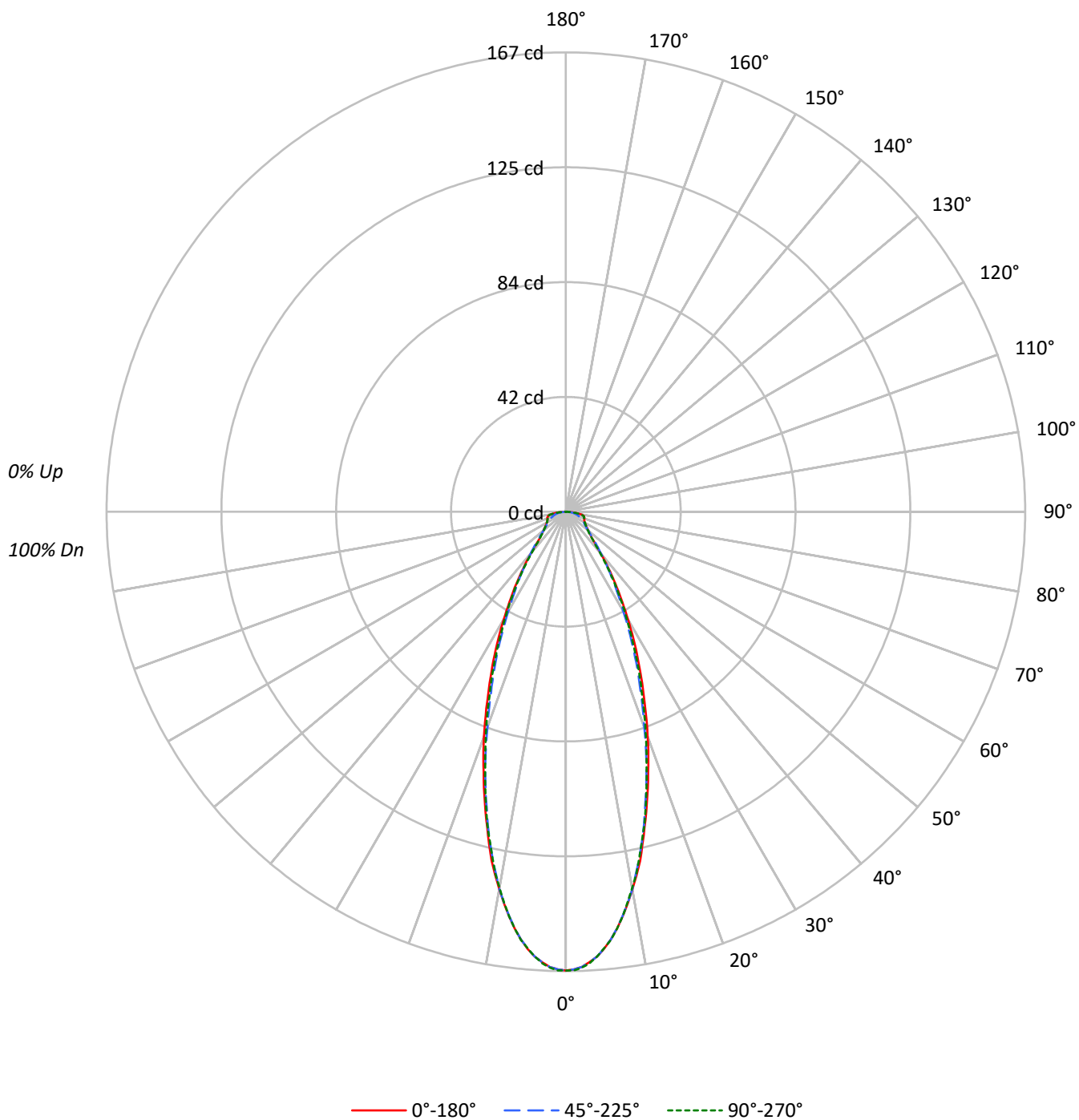
Lumens per Lamp: N/A
Luminaire Lumens: 126.1 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319490

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319490

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K

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	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		87
3	98	89	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	58		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	59	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28727	28727	28727
5°	27574	27540	27540
10°	24378	24343	24273
15°	20130	19845	19952
20°	15945	15285	15542
25°	12143	11497	11801
30°	8949	8313	8671
35°	6412	6118	6202
40°	4384	4474	4249
45°	3239	3434	3191
50°	2840	2840	2786
55°	2702	2582	2702
60°	2756	2549	2756
65°	3016	2608	3016
70°	3626	2618	3525
75°	4525	2795	4525
80°	5752	2975	5356
85°	4742	2766	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5752 cd/sqm

TEST NUMBER: P1319490

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.6	11.5
10°-20°	30.9	24.5
20°-30°	28.4	22.5
30°-40°	18.7	14.8
40°-50°	10.9	8.6
50°-60°	8.0	6.3
60°-70°	6.8	5.4
70°-80°	5.6	4.4
80°-90°	2.3	1.8
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°	73.8	58.6
0°-40°	92.5	73.4
0°-60°	111.4	88.3
0°-90°	126.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	126.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	167	167	167	167	167	
5°	160	159	159	160	159	15
15°	113	112	111	112	112	31
25°	64	62	60	61	62	29
35°	30	30	29	29	30	19
45°	13	14	14	13	13	11
55°	9	9	9	9	9	8
65°	7	7	6	7	7	7
75°	7	5	4	5	7	7
85°	2	3	1	3	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1319490

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	166.8	166.8	166.8	166.8	166.8
1°	166.4	166.4	166.4	166.4	166.8
2°	165.6	165.4	165.6	165.6	165.8
3°	164.0	164.0	164.0	164.0	164.4
4°	162.1	162.1	162.1	162.1	162.1
5°	159.5	159.3	159.3	159.5	159.3
6°	156.3	156.3	156.3	156.3	156.5
7°	152.7	152.5	152.5	152.3	152.7
8°	148.5	148.5	148.3	148.1	148.5
9°	144.1	144.3	143.9	143.7	143.7
10°	139.4	139.2	139.2	139.2	138.8
11°	134.6	134.0	133.8	133.8	134.2
12°	129.8	128.8	128.4	128.4	128.4
13°	124.0	123.6	123.0	122.6	122.8
14°	118.3	118.3	117.3	117.3	117.7
15°	112.9	112.5	111.3	111.7	111.9
17.5°	99.5	98.7	97.4	97.4	97.6
20°	87.0	85.6	83.4	84.4	84.8
22.5°	74.7	73.3	71.1	72.1	72.5
25°	63.9	62.1	60.5	60.7	62.1
27.5°	54.2	52.2	50.6	51.2	52.0
30°	45.0	43.8	41.8	42.8	43.6
32.5°	37.2	36.2	34.8	35.4	36.2
35°	30.5	29.9	29.1	29.1	29.5
37.5°	24.7	24.5	24.1	23.9	23.7
40°	19.5	19.9	19.9	19.5	18.9
42.5°	15.9	16.3	16.7	15.9	15.3
45°	13.3	13.7	14.1	13.3	13.1
47.5°	11.7	11.9	12.1	11.7	11.5
50°	10.6	10.6	10.6	10.4	10.4
52.5°	9.8	9.6	9.4	9.6	9.6
55°	9.0	9.0	8.6	8.8	9.0
57.5°	8.4	8.2	8.0	8.2	8.4
60°	8.0	7.6	7.4	7.6	8.0
62.5°	7.6	7.2	6.8	7.2	7.6
65°	7.4	6.8	6.4	6.8	7.4
67.5°	7.2	6.4	5.8	6.4	7.2
70°	7.2	6.0	5.2	6.0	7.0
72.5°	7.0	5.6	4.8	5.6	7.0
75°	6.8	5.2	4.2	5.2	6.8
77.5°	6.6	4.8	3.6	4.8	6.4
80°	5.8	4.4	3.0	4.4	5.4
82.5°	4.2	3.6	2.4	3.6	4.0
85°	2.4	2.6	1.4	2.6	2.4
87.5°	0.4	0.6	0.4	1.0	0.8



TEST NUMBER: P1319490
CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)