

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: P1319491

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319491
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_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

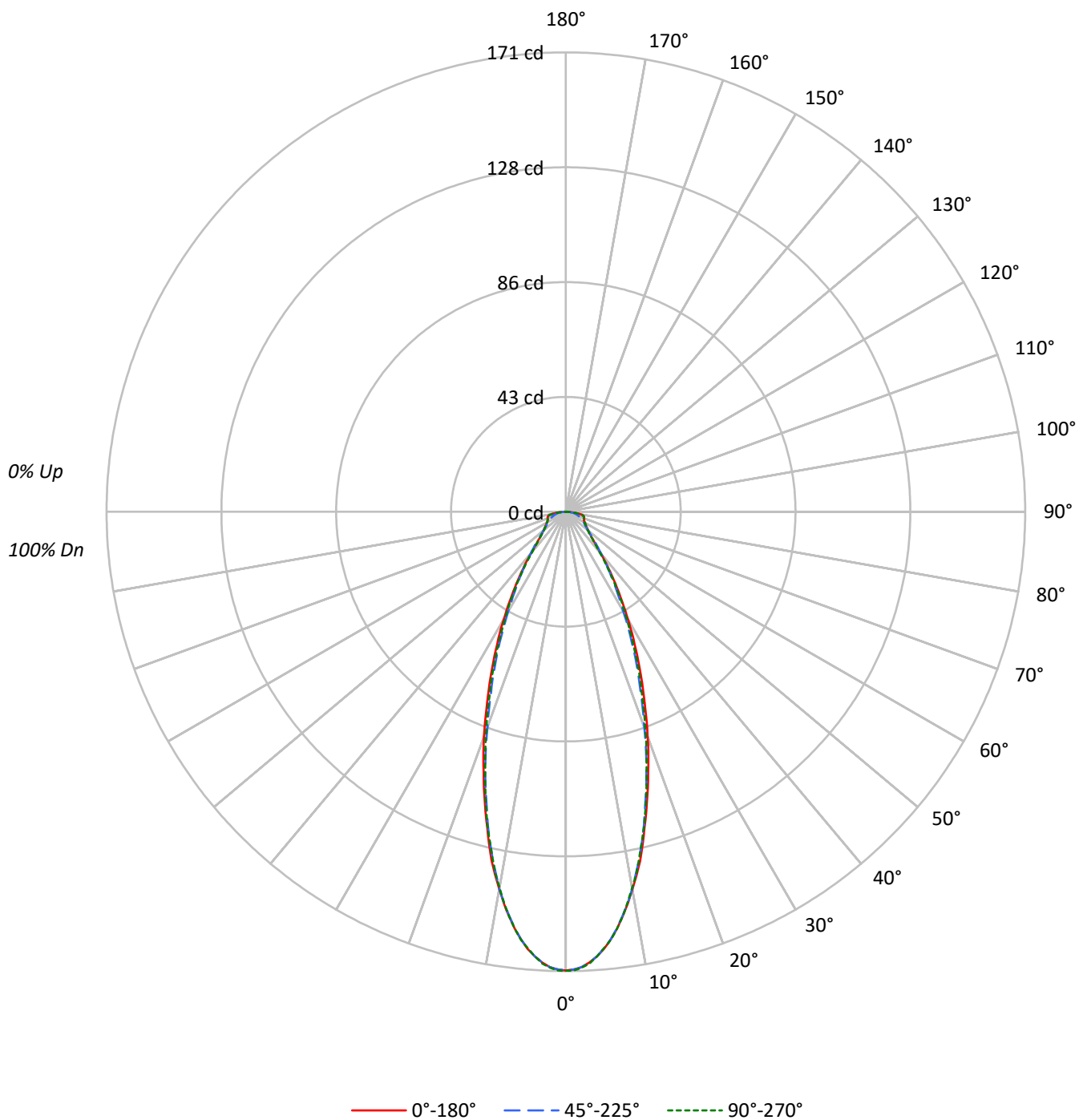
Lumens per Lamp: N/A
Luminaire Lumens: 129.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.69
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319491

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1319491

CATALOG NUMBER: P3SQA02R25B2750DE010 E3SQPHLP1MW_3500K

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	93	89	85		89	86	83		87
3	98	90	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	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		63
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	29416	29416	29416
5°	28231	28197	28197
10°	24955	24920	24850
15°	20611	20308	20415
20°	16330	15652	15908
25°	12428	11782	12086
30°	9168	8511	8869
35°	6560	6265	6349
40°	4496	4586	4362
45°	3337	3532	3288
50°	2894	2894	2840
55°	2762	2642	2762
60°	2824	2583	2824
65°	3056	2649	3056
70°	3676	2669	3575
75°	4591	2861	4591
80°	5852	3075	5455
85°	4742	2766	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5852 cd/sqm

TEST NUMBER: P1319491

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	11.6
10°-20°	31.7	24.6
20°-30°	29.0	22.5
30°-40°	19.2	14.8
40°-50°	11.1	8.6
50°-60°	8.2	6.3
60°-70°	6.9	5.3
70°-80°	5.7	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°	75.6	58.6
0°-40°	94.8	73.5
0°-60°	114.1	88.4
0°-90°	129.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	129.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	171	171	171	171	171	
5°	163	163	163	163	163	15
15°	116	115	114	114	114	32
25°	65	64	62	62	64	30
35°	31	31	30	30	30	20
45°	14	14	14	14	14	11
55°	9	9	9	9	9	8
65°	8	7	6	7	8	8
75°	7	5	4	5	7	7
85°	2	3	1	3	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1319491

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	170.8	170.8	170.8	170.8	170.8
1°	170.4	170.4	170.4	170.4	170.8
2°	169.6	169.4	169.6	169.6	169.8
3°	168.0	168.0	168.0	168.0	168.4
4°	165.9	165.9	165.9	165.9	165.9
5°	163.3	163.1	163.1	163.3	163.1
6°	160.0	160.0	160.0	160.0	160.2
7°	156.3	156.1	156.1	155.9	156.3
8°	152.1	152.1	151.8	151.6	152.1
9°	147.6	147.8	147.4	147.2	147.2
10°	142.7	142.5	142.5	142.5	142.1
11°	137.8	137.2	137.0	137.0	137.4
12°	132.9	131.9	131.5	131.5	131.5
13°	127.0	126.6	126.0	125.6	125.8
14°	121.1	121.1	120.1	120.1	120.5
15°	115.6	115.2	113.9	114.3	114.5
17.5°	101.9	101.1	99.7	99.7	99.9
20°	89.1	87.6	85.4	86.4	86.8
22.5°	76.4	75.0	72.8	73.8	74.2
25°	65.4	63.6	62.0	62.2	63.6
27.5°	55.4	53.4	51.8	52.4	53.2
30°	46.1	44.8	42.8	43.8	44.6
32.5°	38.1	37.1	35.7	36.3	37.1
35°	31.2	30.6	29.8	29.8	30.2
37.5°	25.3	25.1	24.7	24.5	24.3
40°	20.0	20.4	20.4	20.0	19.4
42.5°	16.3	16.7	17.1	16.3	15.7
45°	13.7	14.1	14.5	13.7	13.5
47.5°	12.0	12.2	12.4	12.0	11.8
50°	10.8	10.8	10.8	10.6	10.6
52.5°	10.0	9.8	9.6	9.8	9.8
55°	9.2	9.2	8.8	9.0	9.2
57.5°	8.6	8.4	8.2	8.4	8.6
60°	8.2	7.7	7.5	7.7	8.2
62.5°	7.7	7.3	6.9	7.3	7.7
65°	7.5	6.9	6.5	6.9	7.5
67.5°	7.3	6.5	5.9	6.5	7.3
70°	7.3	6.1	5.3	6.1	7.1
72.5°	7.1	5.7	4.9	5.7	7.1
75°	6.9	5.3	4.3	5.3	6.9
77.5°	6.7	4.9	3.7	4.9	6.5
80°	5.9	4.5	3.1	4.5	5.5
82.5°	4.3	3.7	2.4	3.7	4.1
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: P1319491

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)