

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: P1319492

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLP1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319492
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

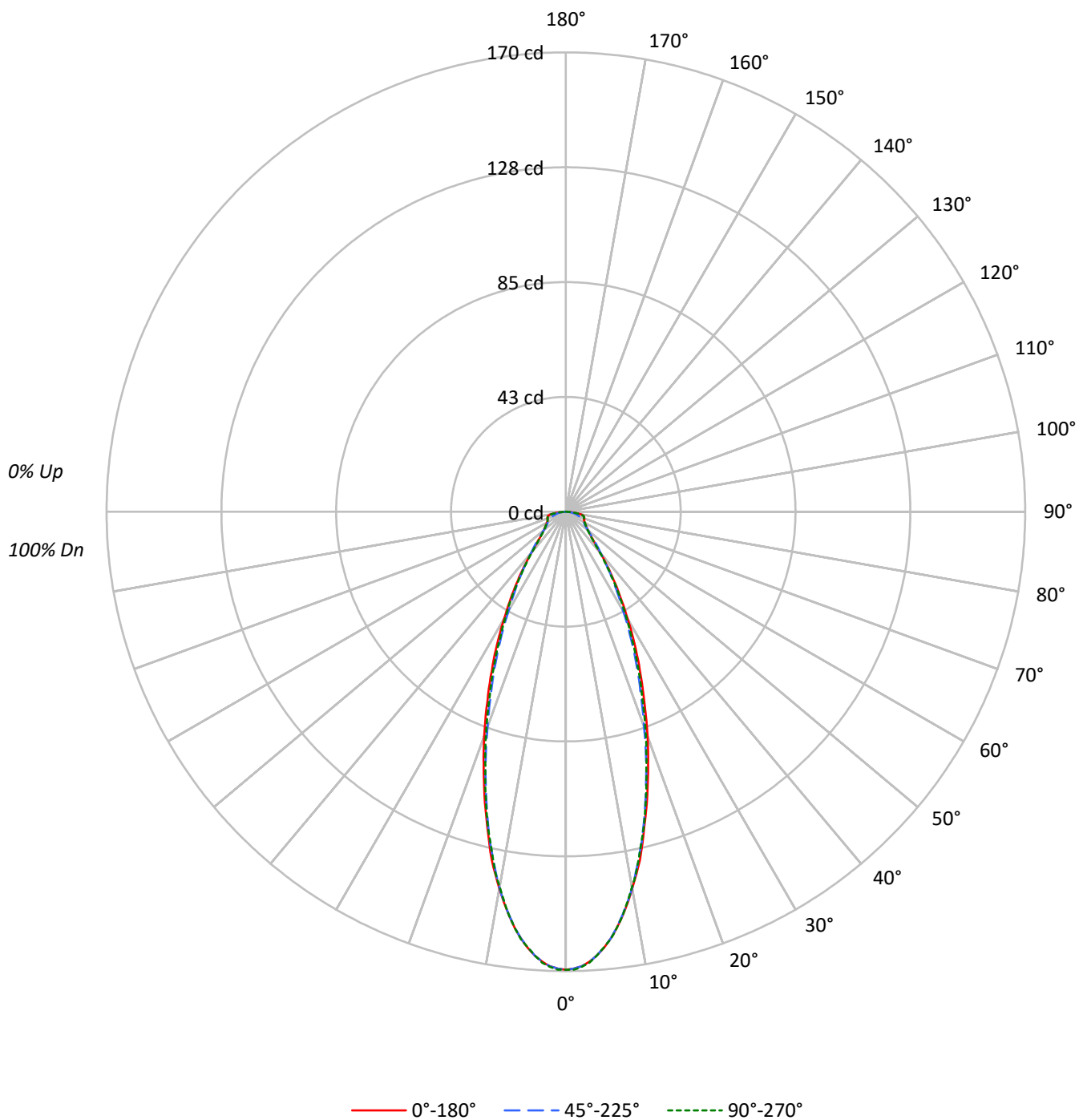
Lumens per Lamp: N/A
Luminaire Lumens: 128.0 lumens
Efficiency: N/A
Efficacy: 44.1 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319492

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319492

CATALOG NUMBER: P3SQA02R25B2750DE010 E3SQPHLP1MW_4000K

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		62
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°	29192	29192	29192
5°	28007	27972	27972
10°	24763	24728	24658
15°	20451	20166	20272
20°	16202	15523	15798
25°	12333	11687	11991
30°	9088	8452	8810
35°	6497	6202	6286
40°	4451	4541	4317
45°	3312	3507	3239
50°	2867	2867	2813
55°	2732	2612	2732
60°	2790	2583	2790
65°	3056	2649	3056
70°	3676	2669	3575
75°	4591	2795	4591
80°	5852	2975	5455
85°	4742	2766	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5852 cd/sqm

TEST NUMBER: P1319492

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.8	11.6
10°-20°	31.4	24.5
20°-30°	28.8	22.5
30°-40°	19.0	14.8
40°-50°	11.1	8.6
50°-60°	8.1	6.3
60°-70°	6.9	5.4
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°	75.0	58.6
0°-40°	94.0	73.4
0°-60°	113.1	88.4
0°-90°	128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	170	170	170	170	170	
5°	162	162	162	162	162	15
15°	115	114	113	114	114	32
25°	65	63	62	62	63	30
35°	31	30	30	30	30	20
45°	14	14	14	14	13	11
55°	9	9	9	9	9	8
65°	8	7	6	7	8	7
75°	7	5	4	5	7	7
85°	2	3	1	3	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1319492

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	169.5	169.5	169.5	169.5	169.5
1°	169.1	169.1	169.1	169.1	169.5
2°	168.3	168.1	168.3	168.3	168.5
3°	166.7	166.7	166.7	166.7	167.1
4°	164.6	164.6	164.6	164.6	164.6
5°	162.0	161.8	161.8	162.0	161.8
6°	158.8	158.8	158.8	158.8	159.0
7°	155.1	154.9	154.9	154.7	155.1
8°	150.9	150.9	150.7	150.5	150.9
9°	146.4	146.6	146.2	146.0	146.0
10°	141.6	141.4	141.4	141.4	141.0
11°	136.7	136.1	135.9	135.9	136.3
12°	131.9	130.9	130.4	130.4	130.4
13°	126.0	125.6	125.0	124.6	124.8
14°	120.1	120.1	119.1	119.1	119.5
15°	114.7	114.3	113.1	113.5	113.7
17.5°	101.1	100.3	98.9	98.9	99.1
20°	88.4	87.0	84.7	85.8	86.2
22.5°	75.8	74.4	72.2	73.2	73.6
25°	64.9	63.1	61.5	61.7	63.1
27.5°	55.0	53.0	51.4	52.0	52.8
30°	45.7	44.5	42.5	43.5	44.3
32.5°	37.8	36.8	35.4	36.0	36.8
35°	30.9	30.3	29.5	29.5	29.9
37.5°	25.1	24.9	24.5	24.3	24.1
40°	19.8	20.2	20.2	19.8	19.2
42.5°	16.2	16.6	17.0	16.2	15.6
45°	13.6	14.0	14.4	13.6	13.3
47.5°	11.9	12.1	12.3	11.9	11.7
50°	10.7	10.7	10.7	10.5	10.5
52.5°	9.9	9.7	9.5	9.7	9.7
55°	9.1	9.1	8.7	8.9	9.1
57.5°	8.5	8.3	8.1	8.3	8.5
60°	8.1	7.7	7.5	7.7	8.1
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	4.2	5.3	6.9
77.5°	6.7	4.9	3.6	4.9	6.5
80°	5.9	4.4	3.0	4.4	5.5
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: P1319492

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLP1MW_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)