

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: P1319485

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHLD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHLD1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

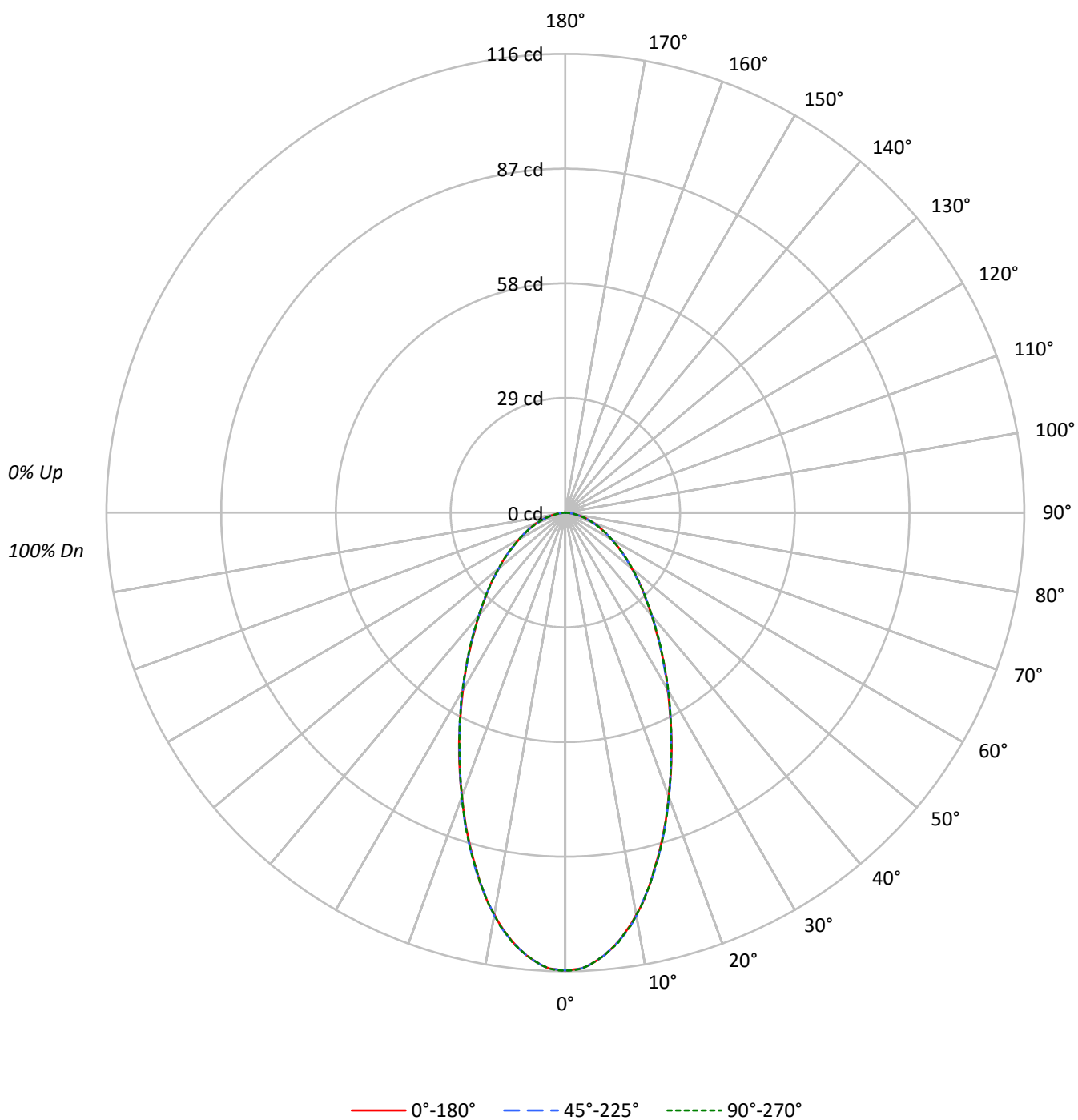
Lumens per Lamp: N/A
Luminaire Lumens: 145.0 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319485

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLD1MW_3000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319485

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLD1MW_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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	86	100	94	89	85	91	86	83		88	84	81		85
3	95	87	80	74	93	85	79	74	82	77	72		80	75	71		77
4	89	79	71	65	87	77	70	65	75	69	64		73	68	63		71
5	83	72	64	58	81	71	63	58	69	62	58		67	61	57		65
6	77	66	58	53	76	65	58	52	63	57	52		62	56	52		60
7	73	61	53	48	71	60	53	48	59	52	47		57	51	47		56
8	68	56	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	42	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19943	19943	19943
5°	19432	19432	19432
10°	18065	18100	18065
15°	16100	16136	16136
20°	14002	14039	14002
25°	12067	12029	12029
30°	10281	10321	10361
35°	8830	8830	8872
40°	7644	7644	7644
45°	6698	6698	6698
50°	5868	5868	5921
55°	5255	5255	5255
60°	4650	4650	4650
65°	4197	4197	4197
70°	3827	3726	3827
75°	3460	3327	3327
80°	2777	2777	2777
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6698 cd/sqm

TEST NUMBER: P1319485

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLD1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.4	7.2
10°-20°	25.2	17.4
20°-30°	29.1	20.1
30°-40°	26.4	18.2
40°-50°	21.3	14.7
50°-60°	15.7	10.8
60°-70°	10.3	7.1
70°-80°	5.4	3.7
80°-90°	1.2	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°	64.8	44.7
0°-40°	91.2	62.9
0°-60°	128.1	88.4
0°-90°	145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	116	116	116	116	116	
5°	112	113	112	112	112	10
15°	90	90	90	90	90	25
25°	64	63	63	64	63	29
35°	42	42	42	42	42	26
45°	28	28	28	28	28	21
55°	18	18	18	17	18	16
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1319485

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLD1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	115.8	115.8	115.8	115.8	115.8
1°	115.6	116.0	115.6	115.6	115.8
2°	115.4	115.6	115.4	115.4	115.4
3°	114.6	115.0	114.6	114.6	114.6
4°	113.6	114.0	113.6	113.6	113.6
5°	112.4	112.8	112.4	112.4	112.4
6°	111.0	111.2	111.0	111.0	111.0
7°	109.4	109.6	109.4	109.4	109.6
8°	107.5	107.7	107.7	107.5	107.5
9°	105.5	105.7	105.7	105.5	105.7
10°	103.3	103.5	103.5	103.3	103.3
11°	101.1	101.3	100.9	100.9	101.1
12°	98.5	98.7	98.5	98.5	98.5
13°	95.9	95.9	95.9	95.9	95.9
14°	92.9	93.3	93.3	93.1	92.9
15°	90.3	90.5	90.5	90.3	90.5
17.5°	83.4	83.8	83.6	83.6	83.6
20°	76.4	76.6	76.6	76.4	76.4
22.5°	69.8	69.6	69.6	69.6	69.6
25°	63.5	63.3	63.3	63.5	63.3
27.5°	57.3	57.5	57.5	57.3	57.5
30°	51.7	51.7	51.9	51.7	52.1
32.5°	46.8	46.8	46.6	46.8	46.8
35°	42.0	42.0	42.0	42.0	42.2
37.5°	37.6	37.8	38.0	38.0	37.8
40°	34.0	34.0	34.0	34.0	34.0
42.5°	30.4	30.4	30.6	30.6	30.6
45°	27.5	27.5	27.5	27.5	27.5
47.5°	24.7	24.7	24.5	24.5	24.7
50°	21.9	22.1	21.9	21.9	22.1
52.5°	19.7	19.5	19.5	19.7	19.7
55°	17.5	17.5	17.5	17.3	17.5
57.5°	15.5	15.5	15.3	15.3	15.3
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.9	11.9	11.9	11.9	11.9
65°	10.3	10.3	10.3	10.3	10.3
67.5°	9.0	9.0	9.0	9.0	8.8
70°	7.6	7.6	7.4	7.4	7.6
72.5°	6.2	6.2	6.2	6.2	6.2
75°	5.2	5.0	5.0	5.0	5.0
77.5°	4.0	4.0	3.8	4.0	3.8
80°	2.8	2.8	2.8	2.8	2.8
82.5°	2.0	1.8	1.8	1.8	1.8
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.2	0.2	0.2	0.2	0.4



TEST NUMBER: P1319485

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHLD1MW_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)