

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: P1319327

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHL1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQPHL1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

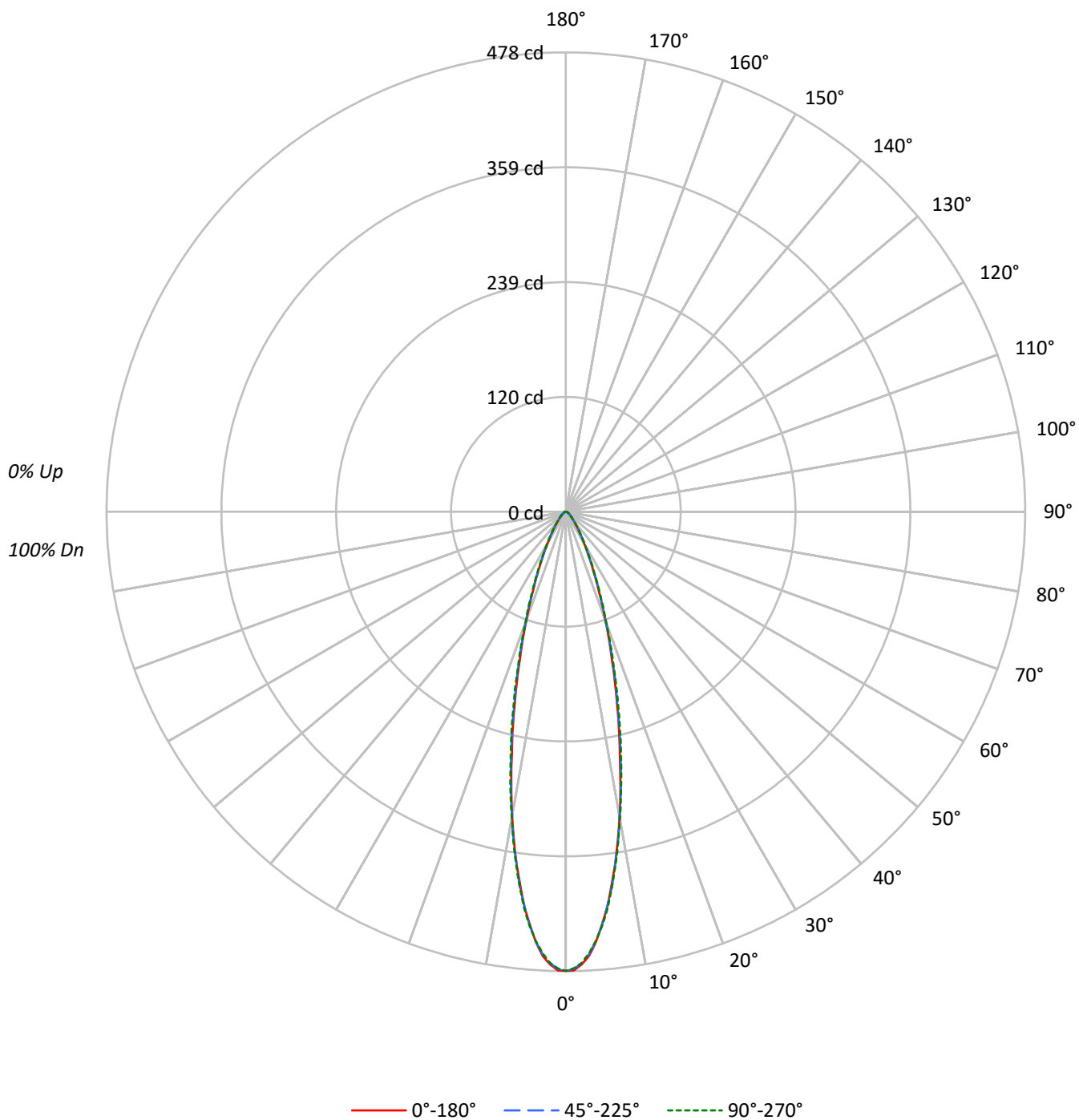
Lumens per Lamp: N/A
Luminaire Lumens: 158.0 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94	92	90		89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85		84
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86	83	81		80
5	96	88	83	79	94	87	83	79	86	82	78		84	81	78		83	80	77		76
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79	76	73		72
7	88	80	75	72	87	80	75	71	79	74	71		77	74	71		76	73	70		69
8	85	77	72	68	84	76	72	68	75	71	68		74	71	68		74	70	67		66
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71	67	65		64
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69	65	62		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82288	82288	82288
5°	74529	74667	74771
10°	56276	56416	56696
15°	36498	36890	37621
20°	21975	22231	22525
25°	12846	13112	13302
30°	7537	7796	7915
35°	4646	4815	4899
40°	3058	3147	3192
45°	2119	2168	2216
50°	1581	1634	1688
55°	1291	1351	1351
60°	1102	1102	1102
65°	978	978	978
70°	806	906	906
75°	799	799	799
80°	595	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2216 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	23.8
10°-20°	57.5	36.4
20°-30°	32.7	20.7
30°-40°	14.9	9.4
40°-50°	7.2	4.5
50°-60°	4.0	2.5
60°-70°	2.4	1.5
70°-80°	1.3	0.8
80°-90°	0.3	0.2
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°	127.9	81.0
0°-40°	142.8	90.4
0°-60°	154.0	97.5
0°-90°	158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	158.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	478	478	478	478	478	
5°	431	431	432	432	432	38
15°	205	206	207	210	211	57
25°	68	68	69	70	70	32
35°	22	22	23	23	23	15
45°	9	9	9	9	9	7
55°	4	4	4	4	4	4
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	477.8	477.8	477.8	477.8	477.8
1°	477.4	476.2	475.8	475.5	475.1
2°	471.3	470.3	470.1	470.1	469.9
3°	462.8	460.9	461.1	460.5	459.9
4°	448.4	447.6	448.0	448.4	447.6
5°	431.1	430.9	431.9	431.9	432.5
6°	413.3	413.1	412.5	414.1	414.9
7°	390.5	391.8	393.4	392.6	393.2
8°	369.8	368.4	369.0	371.1	371.3
9°	345.5	344.5	347.1	347.9	348.1
10°	321.8	322.8	322.6	325.4	324.2
12.5°	259.9	261.5	263.3	264.6	265.8
15°	204.7	205.7	206.9	209.8	211.0
17.5°	157.4	158.7	159.9	162.3	162.7
20°	119.9	120.5	121.3	123.6	122.9
22.5°	89.7	90.7	91.5	92.5	93.1
25°	67.6	67.6	69.0	69.6	70.0
27.5°	50.3	50.7	51.7	52.5	52.3
30°	37.9	38.5	39.2	39.6	39.8
32.5°	29.2	29.2	29.8	30.4	30.6
35°	22.1	22.5	22.9	23.3	23.3
37.5°	17.2	17.4	17.9	18.1	18.1
40°	13.6	13.6	14.0	14.2	14.2
42.5°	10.8	11.0	11.2	11.4	11.4
45°	8.7	8.7	8.9	9.1	9.1
47.5°	7.1	7.1	7.3	7.5	7.5
50°	5.9	6.1	6.1	6.3	6.3
52.5°	5.1	5.1	5.1	5.3	5.3
55°	4.3	4.3	4.5	4.5	4.5
57.5°	3.7	3.7	3.7	3.9	3.9
60°	3.2	3.2	3.2	3.2	3.2
62.5°	2.8	2.8	2.8	2.8	2.8
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.0	2.0	2.0	2.2	2.2
70°	1.6	1.8	1.8	1.8	1.8
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.6	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)