

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: P1319314

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHL1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319314
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 E3SQPHL1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

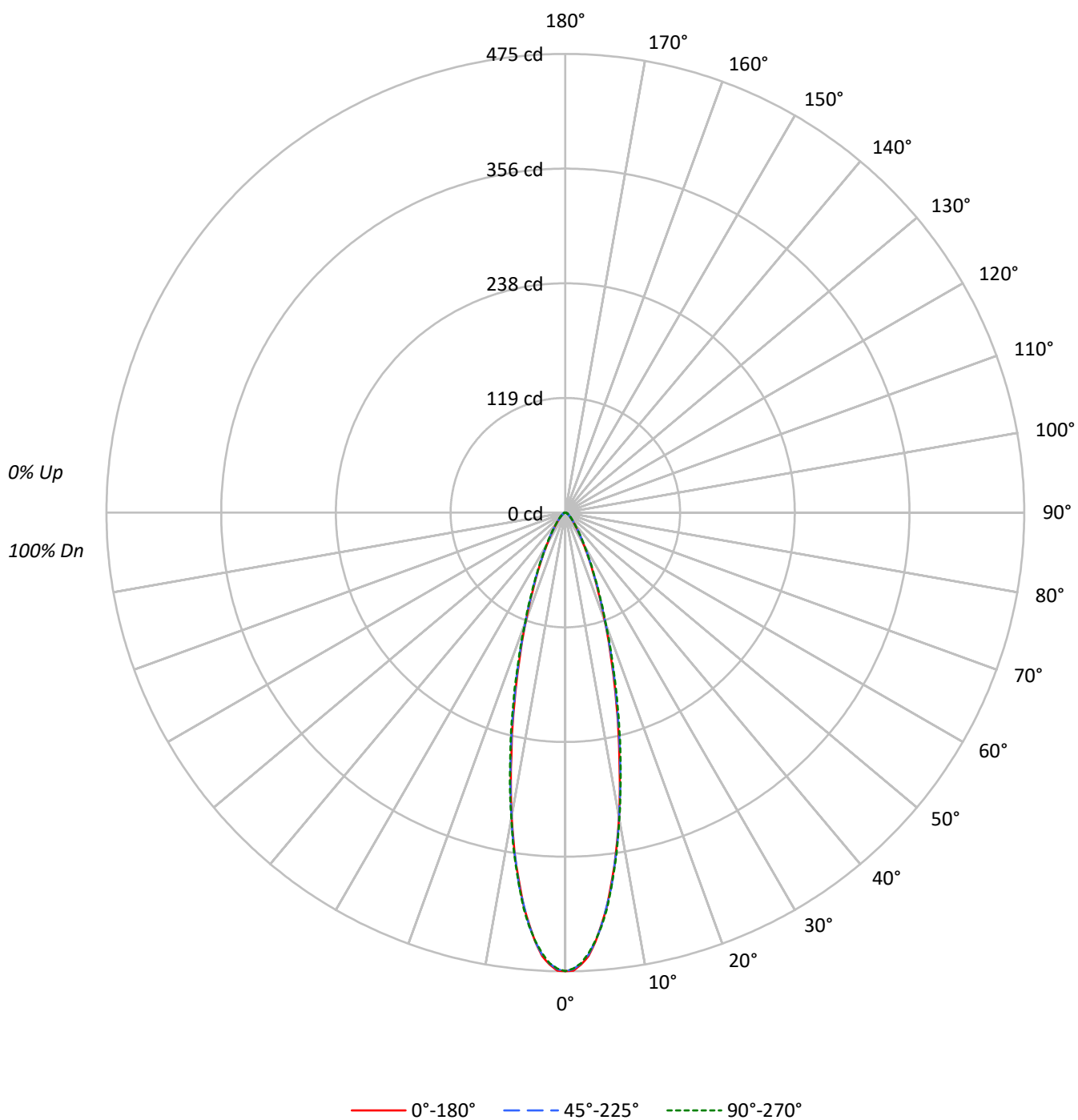
Lumens per Lamp: N/A
Luminaire Lumens: 156.9 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319314

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHL1MB_2700K

Luminous Intensity Polar Plot



TEST NUMBER: P1319314

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHL1MB_2700K

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		75	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	79	71	66	63	70	66	63		69	65	62		69	65	62		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	81771	81771	81771
5°	74062	74200	74304
10°	55909	56049	56329
15°	36266	36658	37389
20°	21828	22103	22396
25°	12751	13017	13226
30°	7497	7736	7855
35°	4625	4794	4878
40°	3035	3125	3170
45°	2119	2168	2216
50°	1554	1608	1661
55°	1261	1321	1321
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

TEST NUMBER: P1319314

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHL1MB_2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.4	23.8
10°-20°	57.2	36.4
20°-30°	32.5	20.7
30°-40°	14.8	9.4
40°-50°	7.1	4.5
50°-60°	3.9	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°	127.1	81.0
0°-40°	141.9	90.4
0°-60°	153.0	97.5
0°-90°	156.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	156.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	475	475	475	475	475	
5°	428	428	429	429	430	37
15°	203	204	206	208	210	56
25°	67	67	68	69	70	32
35°	22	22	23	23	23	14
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	

TEST NUMBER: P1319314

CATALOG NUMBER: P3SQAS02R15B2750DE010 E3SQPHL1MB_2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	474.8	474.8	474.8	474.8	474.8
1°	474.4	473.1	472.7	472.5	472.1
2°	468.3	467.3	467.1	467.1	466.9
3°	459.8	458.0	458.2	457.6	457.0
4°	445.5	444.7	445.1	445.5	444.7
5°	428.4	428.2	429.2	429.2	429.8
6°	410.7	410.4	409.8	411.5	412.3
7°	388.1	389.3	390.9	390.1	390.7
8°	367.5	366.1	366.7	368.7	368.9
9°	343.3	342.3	344.9	345.7	345.9
10°	319.7	320.7	320.5	323.4	322.1
12.5°	258.2	259.9	261.7	262.9	264.1
15°	203.4	204.4	205.6	208.4	209.7
17.5°	156.4	157.6	158.9	161.3	161.7
20°	119.1	119.7	120.6	122.8	122.2
22.5°	89.1	90.1	90.9	91.9	92.5
25°	67.1	67.1	68.5	69.1	69.6
27.5°	50.0	50.4	51.4	52.2	52.0
30°	37.7	38.3	38.9	39.3	39.5
32.5°	29.0	29.0	29.6	30.2	30.4
35°	22.0	22.4	22.8	23.2	23.2
37.5°	17.1	17.3	17.7	17.9	17.9
40°	13.5	13.5	13.9	14.1	14.1
42.5°	10.7	10.9	11.1	11.3	11.3
45°	8.7	8.7	8.9	9.1	9.1
47.5°	7.1	7.1	7.3	7.5	7.5
50°	5.8	6.0	6.0	6.2	6.2
52.5°	5.0	5.0	5.0	5.2	5.2
55°	4.2	4.2	4.4	4.4	4.4
57.5°	3.6	3.6	3.6	3.8	3.8
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)