

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: P1319318

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHL1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319318
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_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

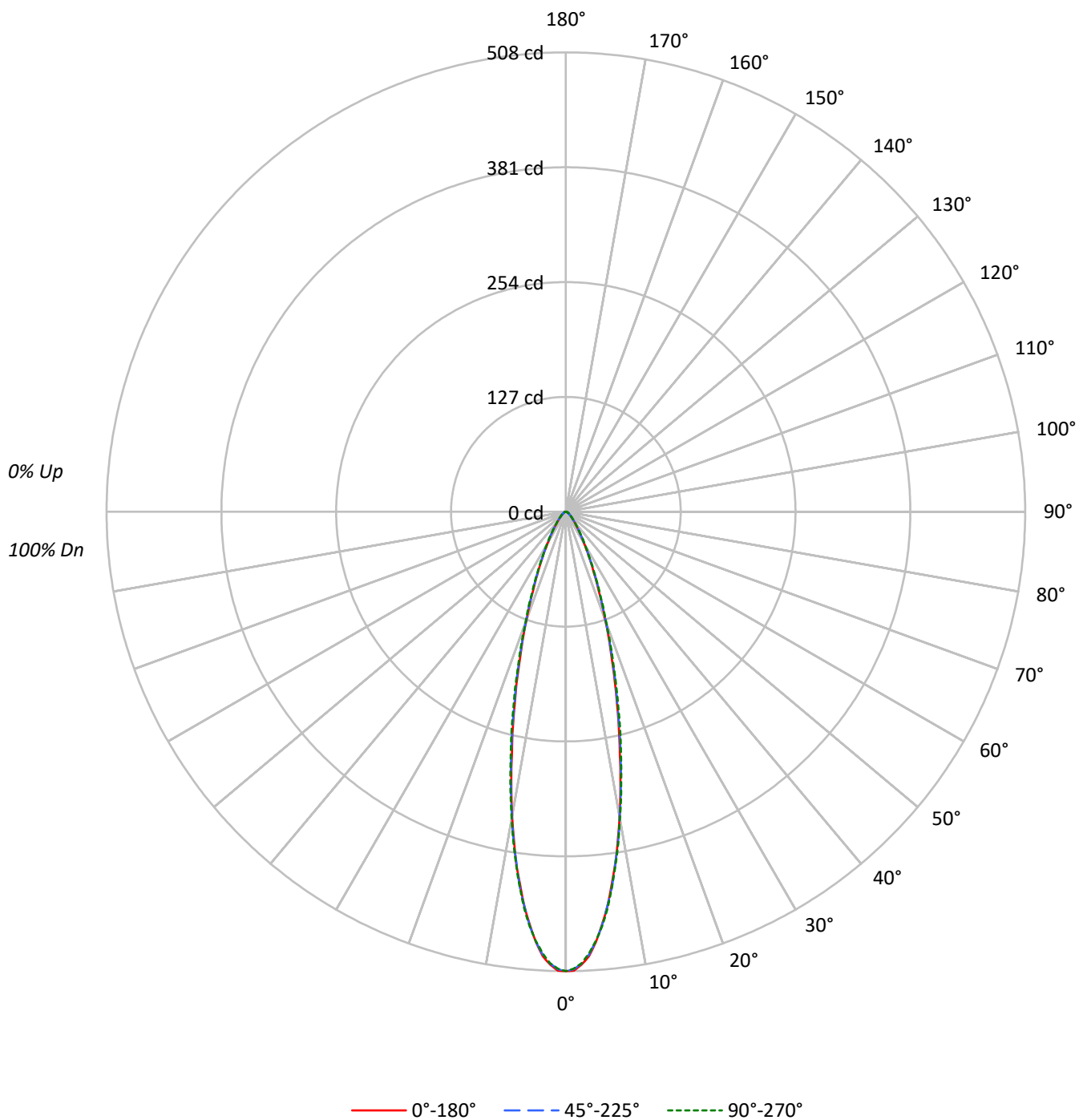
Lumens per Lamp: N/A
Luminaire Lumens: 168.0 lumens
Efficiency: N/A
Efficacy: 57.9 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					
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	80	78		83	79	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	71		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	70	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°	87489	87489	87489
5°	79248	79404	79508
10°	59826	59984	60281
15°	38815	39226	39992
20°	23368	23643	23954
25°	13644	13929	14138
30°	8014	8273	8412
35°	4941	5130	5214
40°	3260	3350	3395
45°	2265	2314	2363
50°	1688	1742	1795
55°	1351	1411	1411
60°	1206	1206	1206
65°	1060	1060	1060
70°	856	957	957
75°	865	865	865
80°	595	893	893
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 2363 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	23.8
10°-20°	61.2	36.4
20°-30°	34.8	20.7
30°-40°	15.9	9.4
40°-50°	7.6	4.5
50°-60°	4.3	2.5
60°-70°	2.6	1.6
70°-80°	1.4	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°	136.0	80.9
0°-40°	151.8	90.4
0°-60°	163.7	97.4
0°-90°	168.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	168.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	508	508	508	508	508	
5°	458	458	459	459	460	40
15°	218	219	220	223	224	60
25°	72	72	73	74	74	34
35°	24	24	24	25	25	15
45°	9	9	10	10	10	7
55°	4	4	5	5	5	4
65°	3	3	3	3	3	3
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°	508.0	508.0	508.0	508.0	508.0
1°	507.6	506.3	505.9	505.6	505.2
2°	501.1	500.0	499.8	499.8	499.6
3°	492.1	490.1	490.3	489.7	489.0
4°	476.7	475.9	476.3	476.7	475.9
5°	458.4	458.2	459.3	459.3	459.9
6°	439.4	439.2	438.6	440.3	441.1
7°	415.3	416.6	418.3	417.4	418.1
8°	393.3	391.7	392.4	394.6	394.8
9°	367.4	366.3	369.1	370.0	370.2
10°	342.1	343.2	343.0	346.0	344.7
12.5°	276.3	278.1	280.0	281.3	282.6
15°	217.7	218.7	220.0	223.1	224.3
17.5°	167.4	168.7	170.0	172.6	173.0
20°	127.5	128.1	129.0	131.4	130.7
22.5°	95.3	96.4	97.3	98.4	99.0
25°	71.8	71.8	73.3	74.0	74.4
27.5°	53.5	53.9	55.0	55.9	55.7
30°	40.3	41.0	41.6	42.1	42.3
32.5°	31.1	31.1	31.7	32.4	32.6
35°	23.5	23.9	24.4	24.8	24.8
37.5°	18.3	18.6	19.0	19.2	19.2
40°	14.5	14.5	14.9	15.1	15.1
42.5°	11.4	11.6	11.9	12.1	12.1
45°	9.3	9.3	9.5	9.7	9.7
47.5°	7.6	7.6	7.8	8.0	8.0
50°	6.3	6.5	6.5	6.7	6.7
52.5°	5.4	5.4	5.4	5.6	5.6
55°	4.5	4.5	4.7	4.7	4.7
57.5°	3.9	3.9	3.9	4.1	4.1
60°	3.5	3.5	3.5	3.5	3.5
62.5°	3.0	3.0	3.0	3.0	3.0
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.2	2.2	2.2	2.4	2.4
70°	1.7	1.9	1.9	1.9	1.9
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.6	0.9	0.9	0.9	0.9
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)