

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: P1319315

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQPHL1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319315
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_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

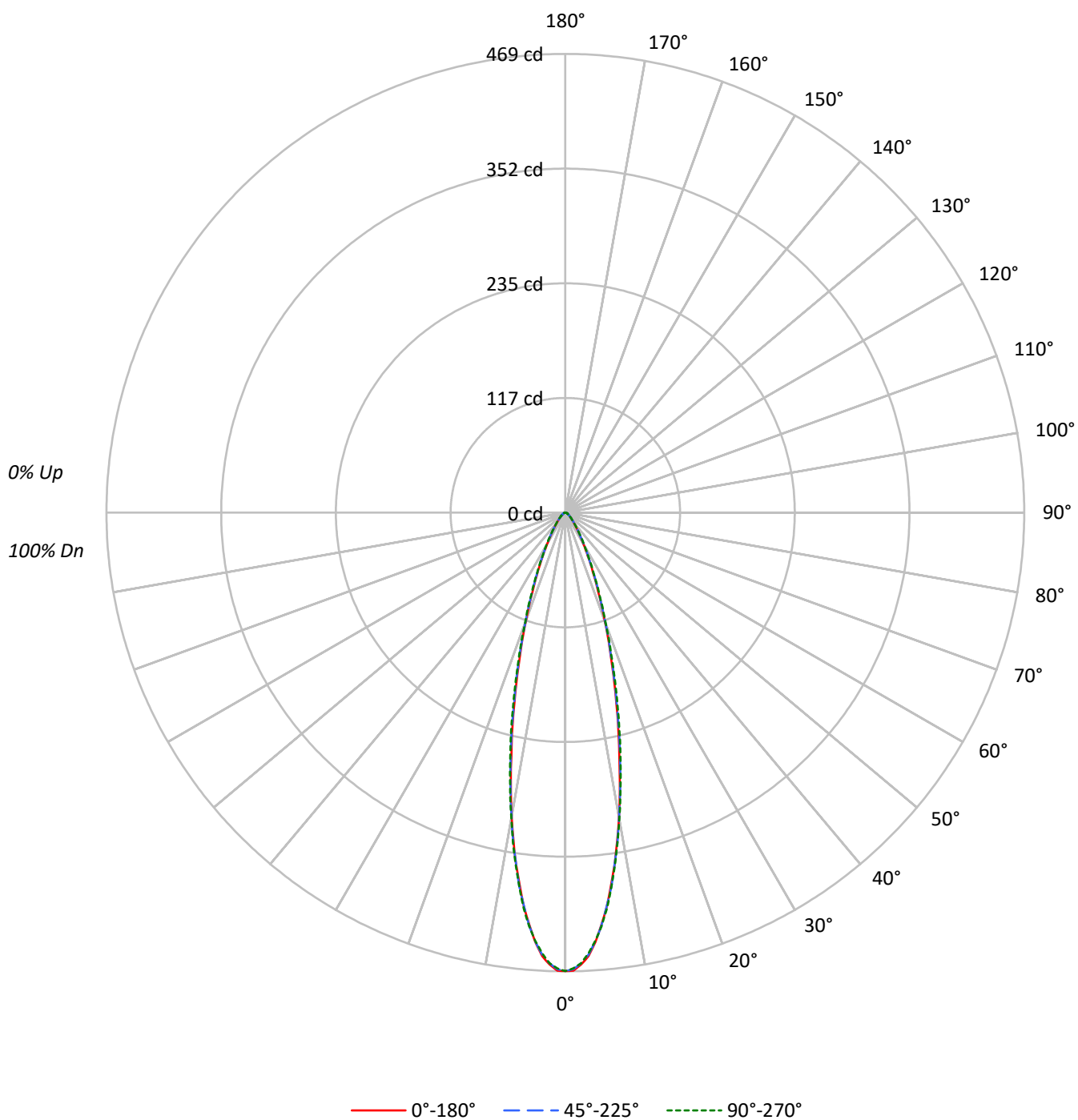
Lumens per Lamp: N/A
Luminaire Lumens: 155.0 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	97	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	73	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	63
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80721	80721	80721
5°	73111	73249	73353
10°	55209	55349	55612
15°	35802	36194	36908
20°	21553	21810	22103
25°	12599	12865	13055
30°	7398	7636	7756
35°	4562	4731	4815
40°	2990	3080	3125
45°	2095	2143	2192
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: 2192 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	23.8
10°-20°	56.4	36.4
20°-30°	32.1	20.7
30°-40°	14.6	9.4
40°-50°	7.0	4.5
50°-60°	3.9	2.5
60°-70°	2.4	1.6
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°	125.5	80.9
0°-40°	140.1	90.4
0°-60°	151.1	97.4
0°-90°	155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	423	423	424	424	424	37
15°	201	202	203	206	207	56
25°	66	66	68	68	69	31
35°	22	22	22	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	468.7	468.7	468.7	468.7	468.7
1°	468.3	467.1	466.7	466.5	466.1
2°	462.3	461.3	461.1	461.1	460.9
3°	454.0	452.2	452.4	451.8	451.2
4°	439.9	439.1	439.5	439.9	439.1
5°	422.9	422.7	423.7	423.7	424.3
6°	405.4	405.2	404.6	406.2	407.0
7°	383.1	384.3	385.9	385.1	385.7
8°	362.8	361.4	362.0	364.0	364.2
9°	338.9	337.9	340.5	341.3	341.5
10°	315.7	316.7	316.5	319.2	318.0
12.5°	255.0	256.5	258.3	259.5	260.7
15°	200.8	201.8	203.0	205.8	207.0
17.5°	154.4	155.6	156.8	159.2	159.6
20°	117.6	118.2	119.0	121.2	120.6
22.5°	88.0	89.0	89.8	90.8	91.4
25°	66.3	66.3	67.7	68.3	68.7
27.5°	49.4	49.8	50.8	51.5	51.3
30°	37.2	37.8	38.4	38.8	39.0
32.5°	28.7	28.7	29.3	29.9	30.1
35°	21.7	22.1	22.5	22.9	22.9
37.5°	16.9	17.1	17.5	17.7	17.7
40°	13.3	13.3	13.7	13.9	13.9
42.5°	10.5	10.7	10.9	11.1	11.1
45°	8.6	8.6	8.8	9.0	9.0
47.5°	7.0	7.0	7.2	7.4	7.4
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)