

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: P1319295

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R15B2750DE010 E3SQCD1MW_3000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

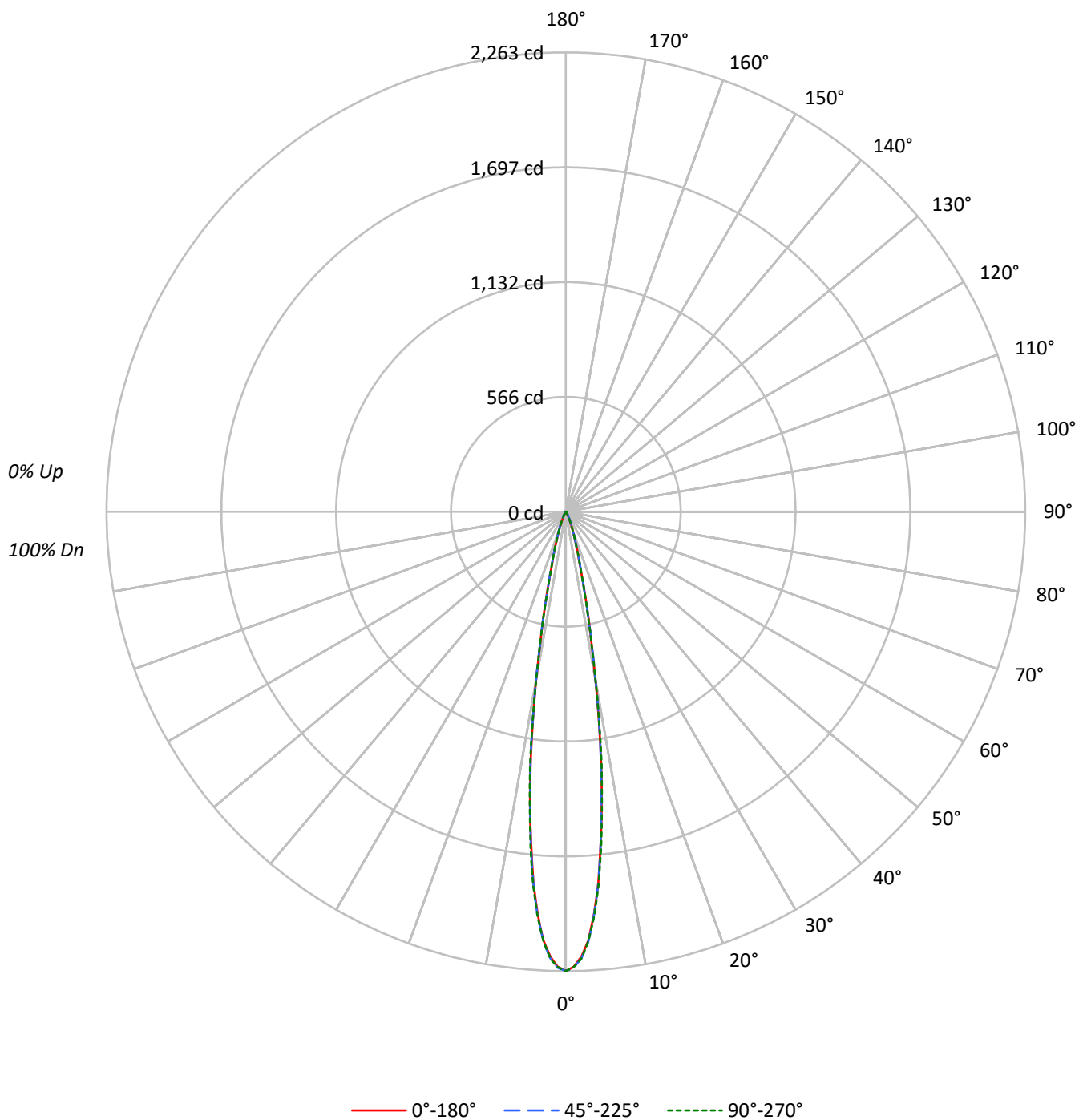
Lumens per Lamp: N/A
Luminaire Lumens: 254.0 lumens
Efficiency: N/A
Efficacy: 87.6 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	97	96	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	95	94	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	93	92	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	91	90	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	89	88	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	88	87	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	86	85	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	85	84	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	83	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	389671	389671	389671
5°	316855	317962	319068
10°	147563	147703	146899
15°	45662	47285	46411
20°	18199	19226	17979
25°	7620	8988	7240
30°	3102	4117	2864
35°	1009	1892	925
40°	360	764	360
45°	146	244	146
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	55.8
10°-20°	84.7	33.3
20°-30°	21.5	8.5
30°-40°	4.7	1.8
40°-50°	0.8	0.3
50°-60°	0.4	0.1
60°-70°	0.2	0.1
70°-80°	0.1	0.1
80°-90°	0.0	0.0
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°	247.9	97.6
0°-40°	252.5	99.4
0°-60°	253.7	99.9
0°-90°	254.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	254.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2263	2263	2263	2263	2263	
5°	1833	1835	1839	1831	1846	141
15°	256	263	265	262	260	84
25°	40	43	47	42	38	20
35°	5	6	9	6	4	4
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2262.6	2262.6	2262.6	2262.6	2262.6
1°	2242.8	2246.6	2247.2	2246.6	2243.4
2°	2192.4	2203.5	2201.1	2196.4	2203.1
3°	2114.4	2120.0	2119.2	2119.6	2118.0
4°	1987.6	1997.3	1991.7	1995.9	1996.3
5°	1832.8	1835.4	1839.2	1830.8	1845.6
6°	1642.3	1658.9	1644.3	1658.7	1664.5
7°	1448.7	1458.3	1439.7	1449.7	1455.7
8°	1250.6	1233.9	1244.1	1244.3	1264.0
9°	1036.9	1040.2	1048.8	1039.0	1047.6
10°	843.8	851.6	844.6	841.2	840.0
11°	666.3	675.1	674.5	675.5	668.9
12°	536.1	531.5	534.5	524.7	529.1
13°	417.2	417.4	415.0	411.0	407.4
14°	326.9	324.9	330.5	325.5	320.9
15°	256.1	263.3	265.2	261.5	260.3
17.5°	158.0	158.2	160.9	157.4	157.0
20°	99.3	101.7	104.9	101.1	98.1
22.5°	62.8	65.0	70.0	65.2	61.0
25°	40.1	42.9	47.3	41.9	38.1
27.5°	25.1	27.7	31.9	26.9	24.1
30°	15.6	17.4	20.7	17.0	14.4
32.5°	9.0	10.8	13.6	10.2	8.6
35°	4.8	6.2	9.0	6.0	4.4
37.5°	2.8	3.6	5.8	3.2	2.6
40°	1.6	2.2	3.4	2.0	1.6
42.5°	1.0	1.4	1.6	1.2	0.8
45°	0.6	0.8	1.0	0.8	0.6
47.5°	0.4	0.6	0.8	0.4	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.2	0.2	0.2	0.2	0.2
65°	0.2	0.2	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)