

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: P1319297

Luminaire Tested: P3SQAS02R15B2750DE010 E3SQCD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319297
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_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

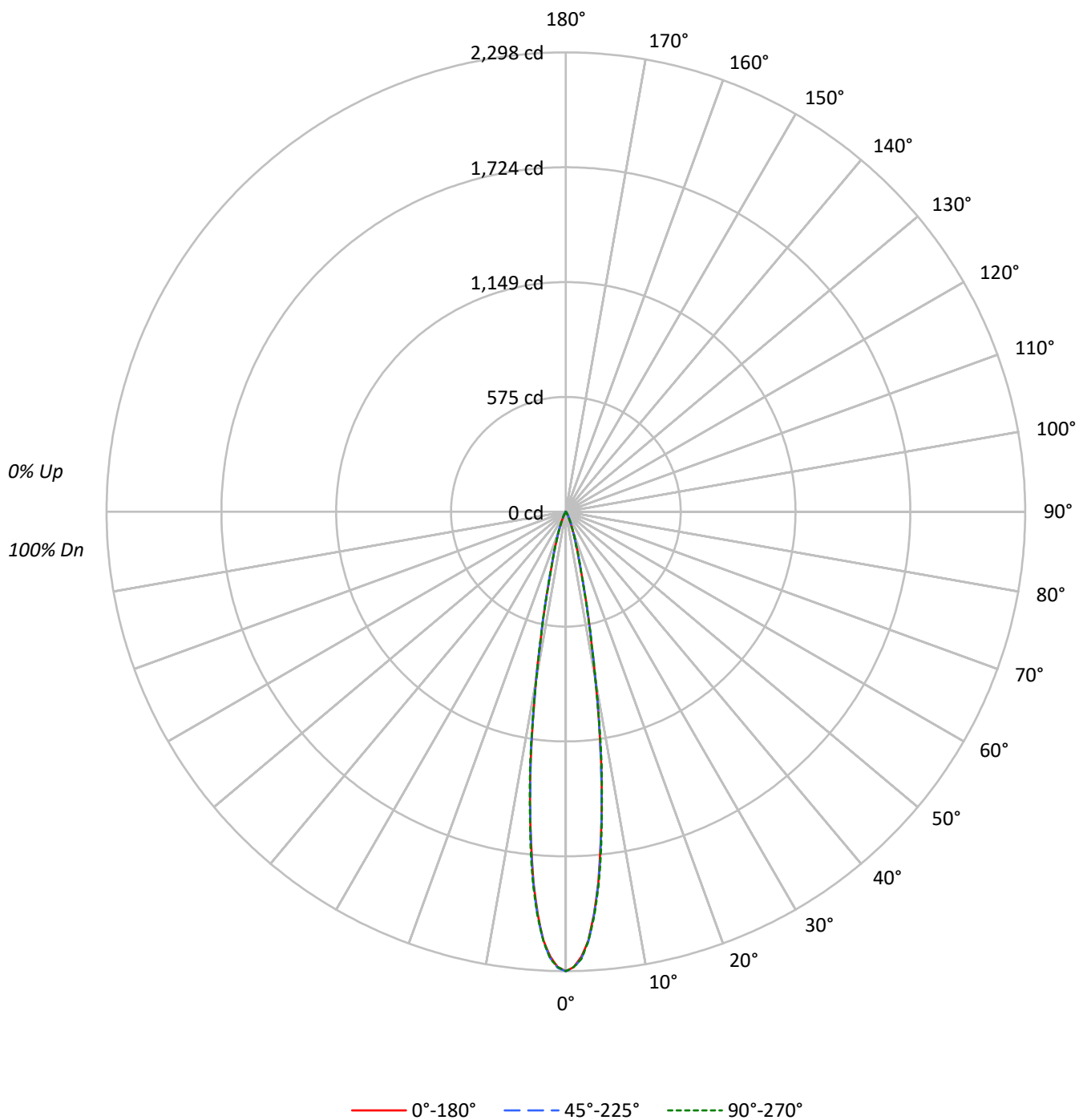
Lumens per Lamp: N/A
Luminaire Lumens: 258.0 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	395802	395802	395802
5°	321852	322958	324082
10°	149889	150029	149207
15°	46375	48033	47142
20°	18492	19537	18273
25°	7734	9121	7354
30°	3142	4196	2903
35°	1030	1913	946
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°	143.9	55.8
10°-20°	86.0	33.3
20°-30°	21.9	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°	251.7	97.6
0°-40°	256.5	99.4
0°-60°	257.6	99.9
0°-90°	258.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	258.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2298	2298	2298	2298	2298	
5°	1862	1864	1868	1860	1875	144
15°	260	267	269	266	264	86
25°	41	44	48	42	39	21
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°	2298.2	2298.2	2298.2	2298.2	2298.2
1°	2278.1	2282.0	2282.6	2282.0	2278.8
2°	2226.9	2238.2	2235.8	2230.9	2237.8
3°	2147.7	2153.4	2152.5	2153.0	2151.3
4°	2018.9	2028.8	2023.1	2027.4	2027.8
5°	1861.7	1864.3	1868.1	1859.6	1874.6
6°	1668.2	1685.0	1670.2	1684.8	1690.7
7°	1471.5	1481.2	1462.4	1472.5	1478.6
8°	1270.3	1253.3	1263.7	1263.9	1283.9
9°	1053.2	1056.6	1065.3	1055.4	1064.1
10°	857.1	865.0	857.9	854.5	853.2
11°	676.8	685.7	685.1	686.1	679.4
12°	544.5	539.9	542.9	533.0	537.4
13°	423.8	424.0	421.6	417.5	413.9
14°	332.0	330.0	335.7	330.6	325.9
15°	260.1	267.4	269.4	265.6	264.4
17.5°	160.4	160.6	163.5	159.8	159.4
20°	100.9	103.3	106.6	102.7	99.7
22.5°	63.8	66.0	71.1	66.2	62.0
25°	40.7	43.6	48.0	42.5	38.7
27.5°	25.5	28.2	32.4	27.3	24.5
30°	15.8	17.6	21.1	17.2	14.6
32.5°	9.1	10.9	13.8	10.3	8.7
35°	4.9	6.3	9.1	6.1	4.5
37.5°	2.8	3.6	5.9	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)