

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: P1319452

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

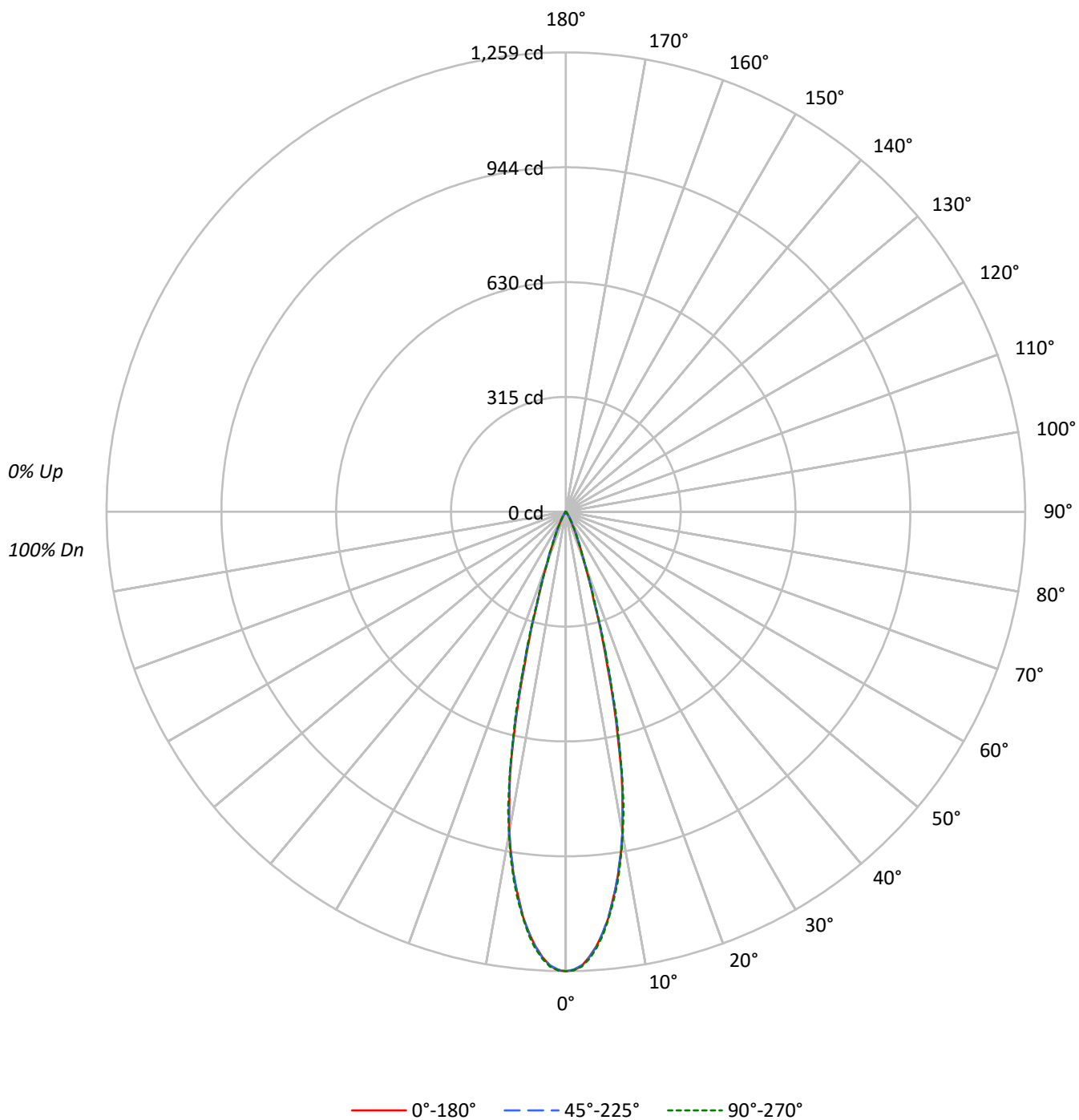
Lumens per Lamp: N/A
Luminaire Lumens: 266.0 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	115	113	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97			
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94			
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91			
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89			
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86			
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84			
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82			
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80			
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78			
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	216846	216846	216846
5°	200299	200230	201354
10°	156465	156045	157094
15°	78719	81999	81928
20°	26941	27675	27235
25°	10832	12181	11288
30°	4395	5250	4276
35°	1282	2292	1282
40°	585	1012	585
45°	195	390	195
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	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	38.4
10°-20°	125.0	47.0
20°-30°	30.5	11.5
30°-40°	6.3	2.4
40°-50°	1.1	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	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°	257.7	96.9
0°-40°	264.0	99.3
0°-60°	265.5	99.8
0°-90°	266.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	266.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1259	1259	1259	1259	1259	
5°	1159	1160	1158	1161	1165	102
15°	442	449	460	462	460	123
25°	57	60	64	60	59	29
35°	6	8	11	8	6	5
45°	1	1	2	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°	1259.1	1259.1	1259.1	1259.1	1259.1
1°	1256.7	1255.1	1254.7	1254.9	1256.9
2°	1245.4	1244.3	1244.1	1244.7	1247.6
3°	1222.2	1223.5	1223.9	1225.9	1227.3
4°	1193.9	1196.3	1195.3	1197.7	1199.3
5°	1158.6	1159.6	1158.2	1160.6	1164.7
6°	1117.5	1113.8	1117.3	1118.3	1121.1
7°	1066.2	1067.0	1068.2	1069.4	1073.7
8°	1015.7	1013.3	1012.7	1018.3	1021.8
9°	956.7	957.1	954.9	961.4	962.4
10°	894.7	889.6	892.3	897.3	898.3
11°	812.8	811.4	815.2	823.1	829.4
12°	736.0	736.8	740.8	743.5	742.1
13°	634.4	640.5	645.6	648.2	644.8
14°	542.6	542.6	549.1	550.1	562.5
15°	441.5	449.0	459.9	461.9	459.5
17.5°	255.0	256.0	261.3	261.1	264.9
20°	147.0	148.4	151.0	150.4	148.6
22.5°	88.4	91.4	97.7	92.6	91.2
25°	57.0	59.6	64.1	60.4	59.4
27.5°	35.7	37.5	40.9	37.7	36.1
30°	22.1	23.1	26.4	23.3	21.5
32.5°	12.0	14.6	17.2	14.6	12.0
35°	6.1	8.5	10.9	8.3	6.1
37.5°	4.1	4.9	7.1	4.7	4.1
40°	2.6	3.2	4.5	3.2	2.6
42.5°	1.4	2.0	2.4	2.2	1.4
45°	0.8	1.2	1.6	1.2	0.8
47.5°	0.6	0.6	1.0	0.6	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°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	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°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)