

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: P1319443

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319443
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 5000K CCT AND, 80CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

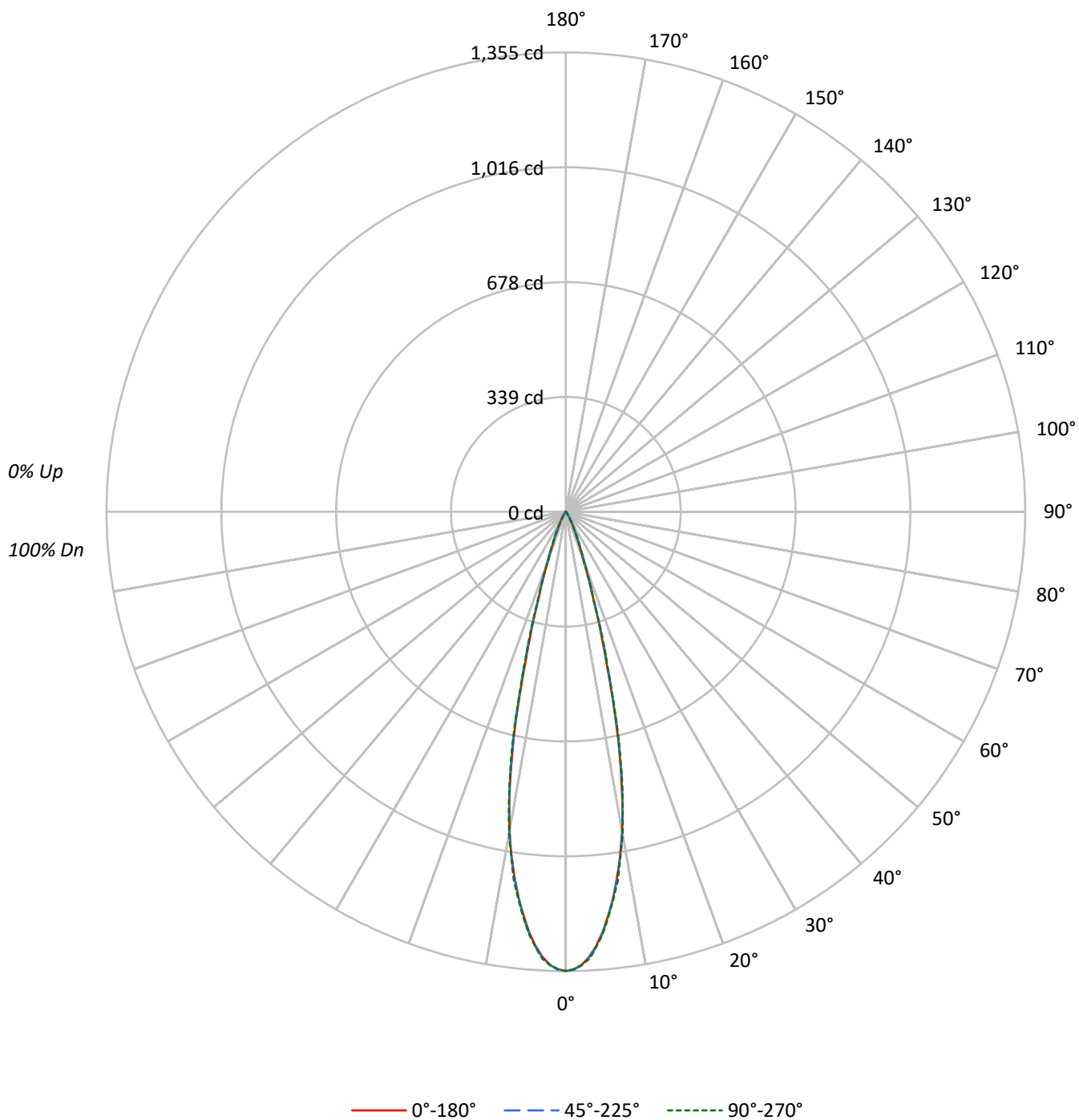
Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	233327	233327	233327
5°	215132	215617	216066
10°	167045	167639	168549
15°	82552	86029	86064
20°	27803	29654	28353
25°	11516	12789	11839
30°	4514	5688	4554
35°	1177	2313	1219
40°	427	922	427
45°	49	268	49
50°	0	54	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 268 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.8	38.9
10°-20°	132.8	47.1
20°-30°	32.4	11.5
30°-40°	6.3	2.2
40°-50°	0.7	0.2
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	275.0	97.5
0°-40°	281.3	99.7
0°-60°	282.0	100.0
0°-90°	282.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1355	1355	1355	1355	1355	
5°	1244	1246	1247	1253	1250	109
15°	463	474	482	487	483	130
25°	61	64	67	64	62	31
35°	6	8	11	8	6	5
45°	0	1	1	1	0	0
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°	1354.8	1354.8	1354.8	1354.8	1354.8
1°	1349.6	1350.4	1350.7	1352.0	1349.4
2°	1337.2	1337.5	1338.1	1340.7	1338.3
3°	1314.5	1316.0	1316.3	1319.7	1320.4
4°	1283.6	1284.5	1286.2	1292.0	1286.8
5°	1244.4	1246.2	1247.2	1252.7	1249.8
6°	1196.0	1196.4	1198.8	1205.1	1201.2
7°	1146.6	1146.4	1146.6	1151.6	1150.5
8°	1087.2	1086.1	1089.5	1095.6	1099.7
9°	1025.1	1026.6	1028.7	1034.6	1029.8
10°	955.2	959.3	958.6	959.1	963.8
11°	874.7	876.0	876.2	880.8	880.1
12°	780.2	780.2	787.3	794.6	792.3
13°	684.7	691.4	686.7	688.2	697.7
14°	573.5	578.7	585.2	591.3	586.5
15°	463.0	474.0	482.5	487.2	482.7
17.5°	265.2	268.9	276.1	276.9	274.1
20°	151.7	156.2	161.8	160.1	154.7
22.5°	95.4	96.7	102.3	99.5	98.2
25°	60.6	63.8	67.3	64.5	62.3
27.5°	37.6	39.8	43.5	40.5	38.1
30°	22.7	24.7	28.6	24.4	22.9
32.5°	11.9	14.7	18.0	14.9	11.9
35°	5.6	8.0	11.0	8.0	5.8
37.5°	3.5	4.3	6.7	4.3	3.5
40°	1.9	2.8	4.1	2.8	1.9
42.5°	0.9	1.5	1.9	1.5	1.1
45°	0.2	0.6	1.1	0.6	0.2
47.5°	0.0	0.0	0.6	0.2	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)