

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: P1319461

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPH1MMS_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPH1MMS_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3500K CCT AND, 80CRI , E3SQPH1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

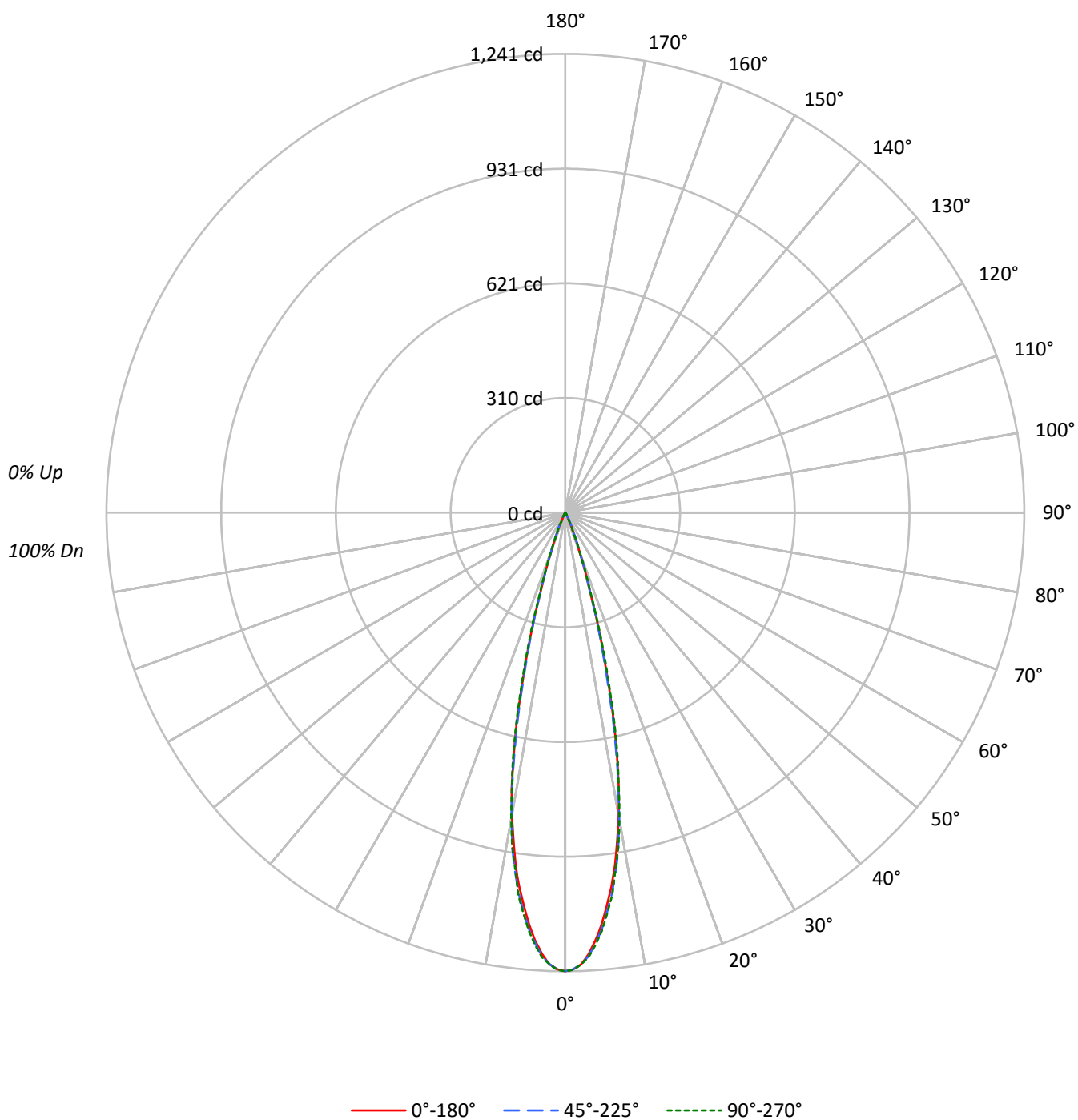
Lumens per Lamp: N/A
Luminaire Lumens: 229.0 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1319461

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPH1MMS_3500K

Luminous Intensity Polar Plot



TEST NUMBER: P1319461

CATALOG NUMBER: P3SQA02R25B2750DE010 E3SQPH1MMS_3500K

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	95	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	93	93
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	91	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	88	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	86	86
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	85	85
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	86	84	83	83	83
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	81	81
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	80	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	213694	213694	213694
5°	193661	195424	196375
10°	145587	146619	147301
15°	72086	69928	74600
20°	20362	20692	20912
25°	3534	6670	4200
30°	1372	1412	1472
35°	420	463	463
40°	135	180	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 0°
Vertical Angle: 45°
Luminance: 97 cd/sqm

TEST NUMBER: P1319461

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPH1MMS_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	43.0
10°-20°	111.2	48.5
20°-30°	17.2	7.5
30°-40°	1.7	0.8
40°-50°	0.2	0.1
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°	227.0	99.1
0°-40°	228.7	99.9
0°-60°	229.0	100.0
0°-90°	229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1241	1241	1241	1241	1241	
5°	1120	1122	1130	1135	1136	98
15°	404	401	392	410	418	111
25°	19	28	35	27	22	16
35°	2	2	2	2	2	2
45°	0	0	0	0	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	

TEST NUMBER: P1319461

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPH1MMS_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1240.8	1240.8	1240.8	1240.8	1240.8
1°	1235.7	1237.4	1235.5	1237.6	1237.4
2°	1222.9	1224.5	1222.3	1223.5	1223.5
3°	1196.5	1200.0	1202.0	1203.5	1204.7
4°	1161.8	1165.7	1168.8	1172.4	1172.4
5°	1120.2	1122.2	1130.4	1134.9	1135.9
6°	1070.5	1078.7	1084.8	1093.8	1088.3
7°	1020.9	1027.7	1036.2	1037.7	1041.6
8°	964.6	971.7	979.7	978.3	975.0
9°	896.0	906.4	915.8	912.7	916.8
10°	832.5	838.8	838.4	835.3	842.3
11°	758.8	760.2	752.2	764.7	757.1
12°	671.4	672.6	662.4	674.6	682.4
13°	587.6	584.8	570.7	586.8	596.6
14°	491.3	492.3	474.3	505.6	503.1
15°	404.3	401.4	392.2	409.8	418.4
17.5°	215.4	217.3	215.0	223.8	229.3
20°	111.1	114.1	112.9	116.6	114.1
22.5°	57.6	61.9	63.1	60.2	52.5
25°	18.6	27.6	35.1	26.7	22.1
27.5°	11.2	11.0	17.2	11.8	12.0
30°	6.9	6.7	7.1	7.1	7.4
32.5°	3.9	4.1	3.9	4.3	4.1
35°	2.0	2.2	2.2	2.5	2.2
37.5°	1.2	1.4	1.4	1.4	1.2
40°	0.6	0.8	0.8	0.6	0.6
42.5°	0.4	0.4	0.4	0.4	0.4
45°	0.4	0.2	0.2	0.2	0.4
47.5°	0.2	0.2	0.0	0.2	0.2
50°	0.2	0.2	0.0	0.2	0.2
52.5°	0.2	0.0	0.0	0.0	0.2
55°	0.2	0.0	0.0	0.0	0.2
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



TEST NUMBER: P1319461

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPH1MMS_3500K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)