

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: P1319472

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQPHL1MB_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319472
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQPHL1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

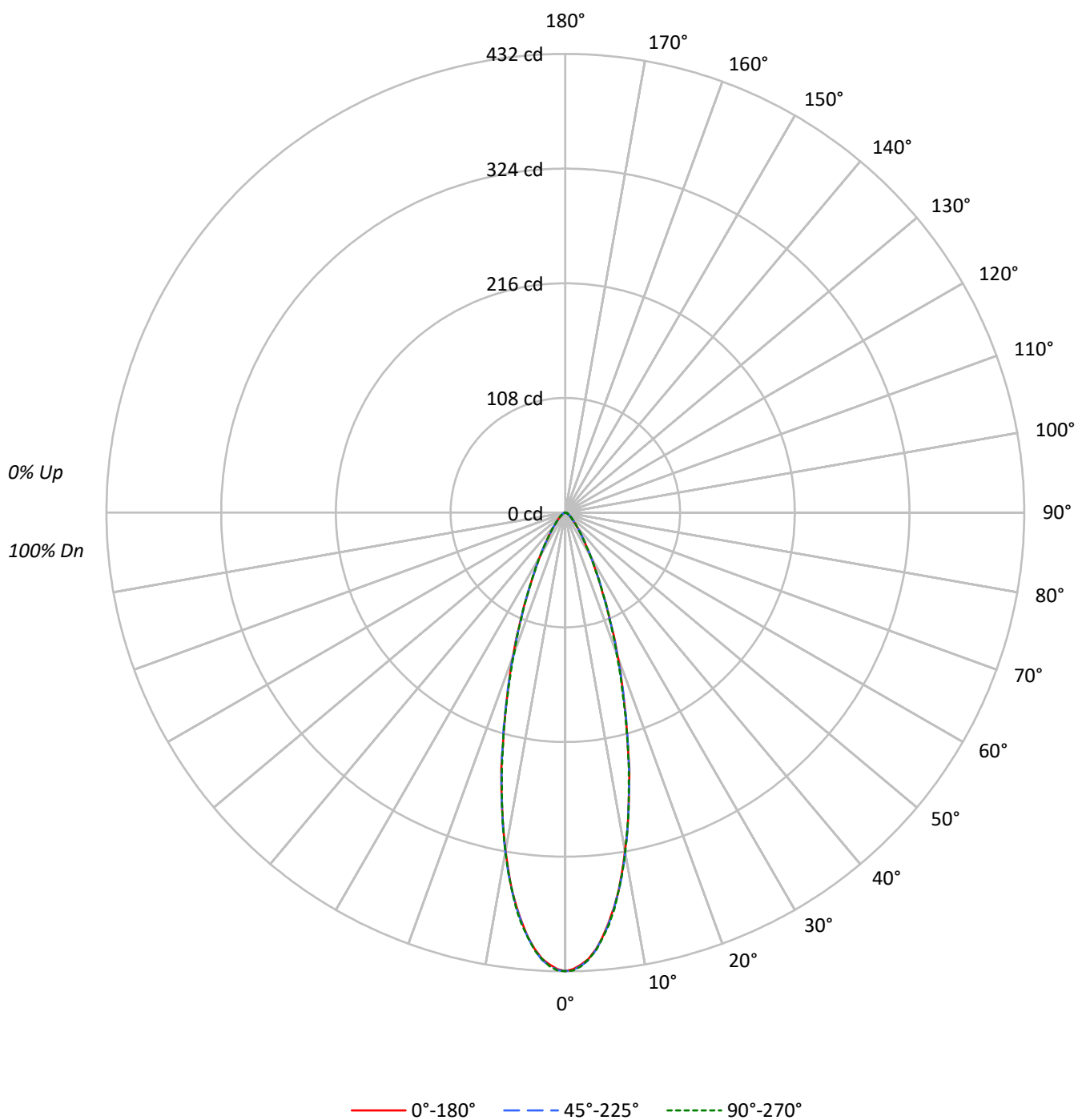
Lumens per Lamp: N/A
Luminaire Lumens: 173.0 lumens
Efficiency: N/A
Efficacy: 59.6 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1319472

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHL1MB_4000K

Luminous Intensity Polar Plot



TEST NUMBER: P1319472

CATALOG NUMBER: P3SQA02R25B2750DE010 E3SQPHL1MB_4000K

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	74366	74366	74366
5°	69412	69481	69515
10°	56608	56783	56783
15°	40438	40652	40438
20°	26465	26208	25842
25°	15734	15810	15734
30°	9486	9486	9446
35°	5782	5824	5782
40°	3687	3732	3732
45°	2557	2557	2557
50°	1849	1902	1902
55°	1441	1441	1501
60°	1171	1240	1240
65°	1060	1060	1060
70°	906	906	1007
75°	799	799	932
80°	793	793	793
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2557 cd/sqm

TEST NUMBER: P1319472

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHL1MB_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	20.7
10°-20°	62.5	36.2
20°-30°	39.3	22.7
30°-40°	18.0	10.4
40°-50°	8.4	4.9
50°-60°	4.5	2.6
60°-70°	2.6	1.5
70°-80°	1.4	0.8
80°-90°	0.3	0.2
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°	137.7	79.6
0°-40°	155.7	90.0
0°-60°	168.6	97.5
0°-90°	173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	432	432	432	432	432	
5°	402	402	402	402	402	36
15°	227	228	228	228	227	63
25°	83	84	83	83	83	39
35°	28	28	28	28	28	18
45°	10	10	10	10	10	8
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1319472

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHL1MB_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	431.8	431.8	431.8	431.8	431.8
1°	429.9	430.3	430.8	431.4	431.2
2°	425.9	426.7	426.9	427.7	427.5
3°	420.5	420.2	421.9	421.9	420.9
4°	412.0	412.4	412.8	413.2	413.4
5°	401.5	402.3	401.9	402.3	402.1
6°	388.5	389.8	389.6	390.0	390.6
7°	374.8	375.6	375.6	375.2	376.8
8°	359.9	359.3	360.3	359.9	359.7
9°	342.1	343.3	343.5	342.5	342.9
10°	323.7	324.5	324.7	325.3	324.7
11°	305.5	305.5	305.9	307.0	305.3
12°	285.8	287.6	285.8	286.6	285.8
13°	267.0	267.4	267.0	266.8	265.4
14°	249.2	247.8	248.2	246.6	246.8
15°	226.8	228.2	228.0	228.4	226.8
17.5°	182.4	183.2	183.0	182.6	180.5
20°	144.4	144.4	143.0	142.2	141.0
22.5°	110.3	109.9	109.3	108.6	109.1
25°	82.8	83.8	83.2	83.2	82.8
27.5°	62.6	63.8	62.8	62.2	62.6
30°	47.7	48.1	47.7	47.5	47.5
32.5°	35.9	36.1	35.9	35.9	35.9
35°	27.5	27.5	27.7	27.7	27.5
37.5°	21.2	21.2	21.2	21.2	21.4
40°	16.4	16.6	16.6	16.6	16.6
42.5°	12.9	13.1	13.1	13.1	13.1
45°	10.5	10.5	10.5	10.5	10.5
47.5°	8.5	8.5	8.5	8.5	8.7
50°	6.9	7.1	7.1	7.1	7.1
52.5°	5.9	5.9	5.9	5.9	5.9
55°	4.8	4.8	4.8	5.0	5.0
57.5°	4.0	4.0	4.2	4.2	4.2
60°	3.4	3.6	3.6	3.6	3.6
62.5°	3.0	3.0	3.2	3.2	3.2
65°	2.6	2.6	2.6	2.6	2.6
67.5°	2.2	2.2	2.2	2.2	2.4
70°	1.8	1.8	1.8	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.4	1.4
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.4	0.4	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1319472

CATALOG NUMBER: P3SQAS02R25B2750DE010 E3SQPHL1MB_4000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)