

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: P1319386

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHL1MB_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319386
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQPHL1MB_3500K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3500K CCT AND, 80CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

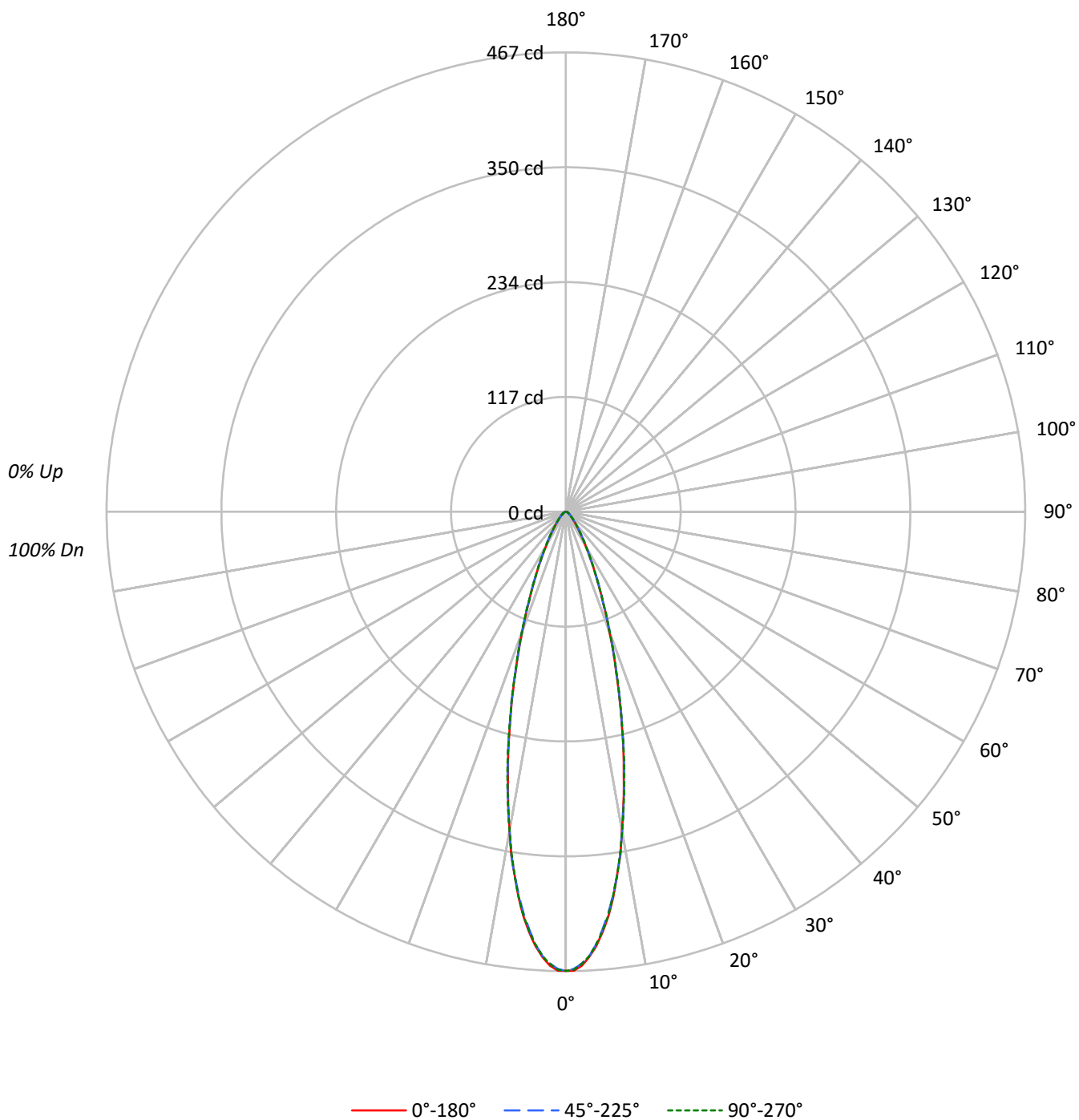
Lumens per Lamp: N/A
Luminaire Lumens: 164.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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				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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96		94
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94	92	90		89
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90	87	85		84
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86	83	81		79
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82	79	77		75
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79	76	73		72
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76	73	70		69
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73	70	67		66
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71	67	64		63
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68	65	62		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	80376	80376	80376
5°	74148	73716	73976
10°	57535	57605	57605
15°	38887	39065	39065
20°	23624	23917	24027
25°	13853	14043	14005
30°	8074	8253	8293
35°	4941	5067	5067
40°	3215	3260	3305
45°	2241	2289	2338
50°	1634	1688	1688
55°	1291	1351	1351
60°	1137	1137	1206
65°	1019	1019	1100
70°	906	906	906
75°	799	799	799
80°	595	595	793
85°	395	395	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	22.9
10°-20°	60.3	36.7
20°-30°	34.9	21.3
30°-40°	15.7	9.5
40°-50°	7.4	4.5
50°-60°	4.1	2.5
60°-70°	2.5	1.5
70°-80°	1.3	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°	132.8	81.0
0°-40°	148.4	90.5
0°-60°	159.9	97.5
0°-90°	164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	429	428	426	427	428	38
15°	218	218	219	218	219	60
25°	73	73	74	73	74	35
35°	24	24	24	24	24	15
45°	9	9	9	9	10	7
55°	4	4	4	4	4	4
65°	2	2	2	2	3	2
75°	1	1	1	1	1	1
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°	466.7	466.7	466.7	466.7	466.7
1°	466.5	465.2	464.8	464.4	465.7
2°	461.8	460.3	459.5	459.9	460.1
3°	453.4	452.6	452.6	452.0	452.4
4°	442.6	440.9	440.9	441.1	441.1
5°	428.9	427.5	426.4	427.3	427.9
6°	413.6	411.7	410.9	411.1	412.6
7°	394.8	392.3	392.7	393.8	393.8
8°	373.5	373.3	373.7	373.3	373.7
9°	353.9	351.1	353.5	351.5	352.5
10°	329.0	328.8	329.4	330.0	329.4
12.5°	272.2	273.3	273.7	272.9	274.7
15°	218.1	218.1	219.1	218.1	219.1
17.5°	169.7	169.5	170.3	169.5	170.7
20°	128.9	130.3	130.5	130.5	131.1
22.5°	97.2	97.2	98.0	98.2	97.8
25°	72.9	72.9	73.9	73.3	73.7
27.5°	53.9	54.3	55.1	55.6	55.6
30°	40.6	40.8	41.5	41.7	41.7
32.5°	30.6	31.0	31.5	31.7	31.9
35°	23.5	23.7	24.1	24.3	24.1
37.5°	18.0	18.2	18.6	18.8	18.8
40°	14.3	14.3	14.5	14.7	14.7
42.5°	11.2	11.4	11.4	11.6	11.6
45°	9.2	9.2	9.4	9.4	9.6
47.5°	7.4	7.4	7.6	7.8	7.8
50°	6.1	6.1	6.3	6.3	6.3
52.5°	5.1	5.1	5.3	5.3	5.3
55°	4.3	4.3	4.5	4.5	4.5
57.5°	3.7	3.7	3.9	3.9	3.9
60°	3.3	3.3	3.3	3.3	3.5
62.5°	2.9	2.9	2.9	2.9	2.9
65°	2.5	2.5	2.5	2.5	2.7
67.5°	2.0	2.0	2.0	2.0	2.2
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.4	1.4	1.4	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.0	1.0	1.0	1.0	1.0
80°	0.6	0.6	0.6	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.4
87.5°	0.0	0.0	0.0	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)