

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: P1319404

Luminaire Tested: P3SQAS02R20B2750DE010 E3SQPHLP1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R20B2750DE010 E3SQPHLP1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

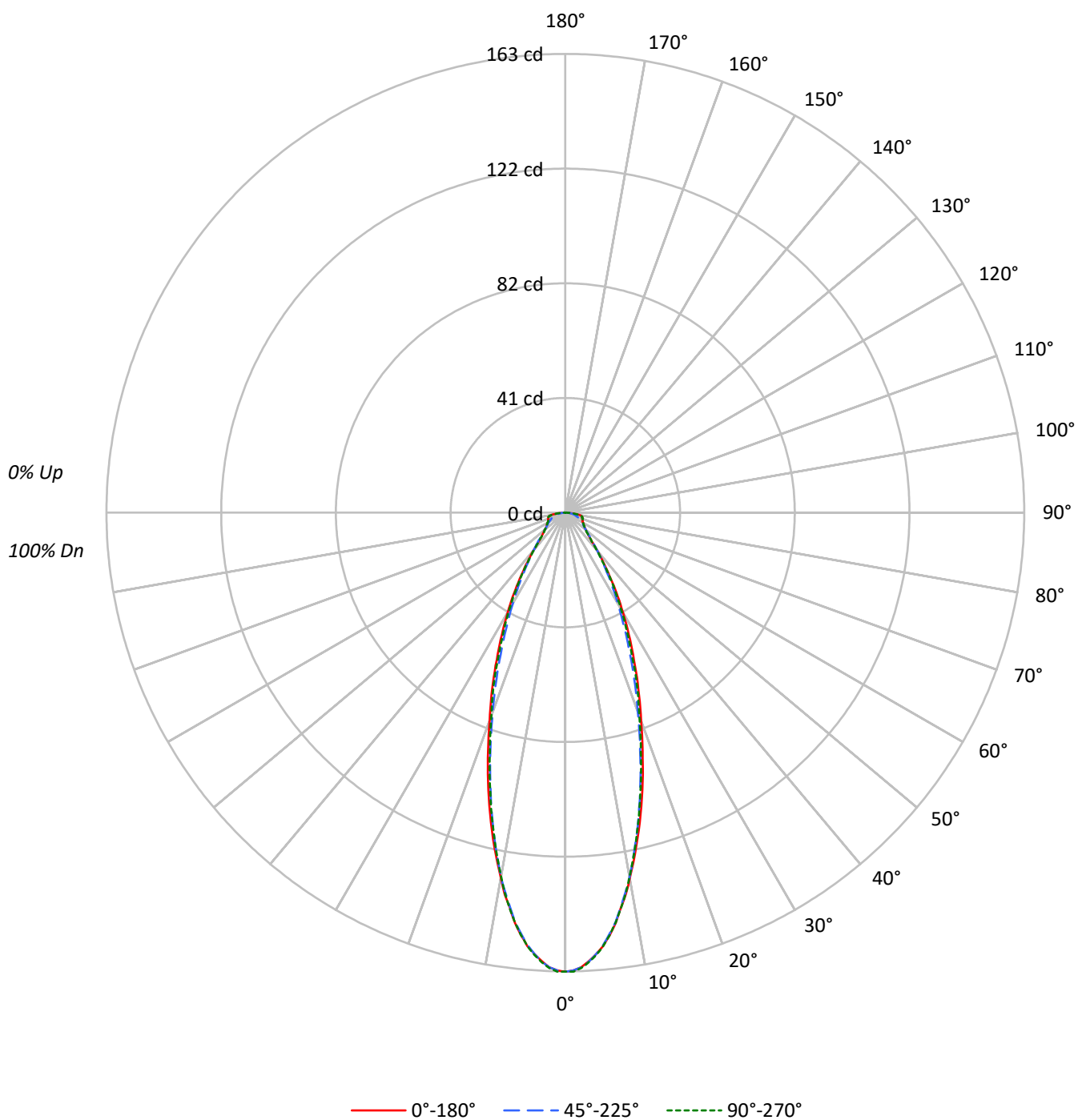
Lumens per Lamp: N/A
Luminaire Lumens: 115.0 lumens
Efficiency: N/A
Efficacy: 39.7 lumens/watt
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	85	81	77		83	79	75		81
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	68	64		72	67	63		71
6	82	72	65	60	81	71	65	60	69	64	59		68	63	59		67
7	78	67	61	56	77	67	60	56	65	60	55		64	59	55		63
8	74	63	57	52	73	63	57	52	62	56	52		61	55	52		60
9	71	60	53	49	69	59	53	49	58	53	49		57	52	49		57
10	67	57	50	46	66	56	50	46	55	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	28090	28090	28090
5°	26727	26658	26727
10°	23067	22997	22962
15°	18721	18293	18365
20°	14424	13801	14057
25°	10965	10147	10641
30°	8134	7398	7895
35°	5740	5361	5656
40°	3957	3957	3867
45°	2898	3044	2898
50°	2545	2545	2545
55°	2432	2372	2432
60°	2514	2308	2514
65°	2730	2323	2730
70°	3273	2367	3273
75°	4192	2529	4192
80°	5256	2579	5058
85°	3952	2371	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 5256 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	12.2
10°-20°	28.6	24.8
20°-30°	25.5	22.2
30°-40°	16.7	14.6
40°-50°	9.7	8.5
50°-60°	7.2	6.3
60°-70°	6.1	5.3
70°-80°	5.0	4.4
80°-90°	2.1	1.8
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°	68.1	59.2
0°-40°	84.8	73.7
0°-60°	101.7	88.5
0°-90°	115.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	115.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	163	163	163	163	163	
5°	155	154	154	154	155	14
15°	105	104	103	103	103	29
25°	58	56	53	55	56	27
35°	27	26	26	26	27	17
45°	12	12	12	12	12	10
55°	8	8	8	8	8	7
65°	7	6	6	6	7	7
75°	6	5	4	5	6	6
85°	2	2	1	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	163.1	163.1	163.1	163.1	163.1
1°	162.7	162.9	162.7	162.9	163.1
2°	161.7	161.9	161.7	161.7	161.9
3°	159.6	159.8	159.8	159.8	160.0
4°	157.2	157.4	157.2	157.4	157.6
5°	154.6	154.4	154.2	154.4	154.6
6°	150.9	150.7	150.5	150.7	150.9
7°	146.9	146.7	146.5	146.5	146.7
8°	141.8	142.0	141.4	141.8	142.0
9°	137.4	137.0	136.6	136.6	137.0
10°	131.9	131.5	131.5	131.3	131.3
12.5°	118.6	117.7	117.1	117.1	117.3
15°	105.0	104.0	102.6	102.8	103.0
17.5°	91.4	90.2	88.4	88.8	89.2
20°	78.7	77.5	75.3	76.1	76.7
22.5°	67.8	66.0	63.9	64.5	66.6
25°	57.7	56.0	53.4	54.8	56.0
27.5°	48.8	46.9	44.7	46.1	47.3
30°	40.9	39.2	37.2	38.4	39.7
32.5°	33.8	32.4	31.0	31.8	32.8
35°	27.3	26.5	25.5	26.3	26.9
37.5°	22.1	21.6	21.2	21.6	21.4
40°	17.6	17.8	17.6	17.6	17.2
42.5°	14.0	14.6	14.8	14.4	14.0
45°	11.9	12.1	12.5	12.1	11.9
47.5°	10.5	10.5	10.7	10.5	10.3
50°	9.5	9.5	9.5	9.5	9.5
52.5°	8.7	8.7	8.5	8.7	8.7
55°	8.1	7.9	7.9	7.9	8.1
57.5°	7.7	7.5	7.3	7.5	7.7
60°	7.3	6.9	6.7	6.9	7.3
62.5°	6.9	6.5	6.3	6.5	6.9
65°	6.7	6.1	5.7	6.1	6.7
67.5°	6.5	5.7	5.3	5.7	6.7
70°	6.5	5.3	4.7	5.5	6.5
72.5°	6.3	5.1	4.2	5.1	6.3
75°	6.3	4.7	3.8	4.7	6.3
77.5°	5.9	4.2	3.2	4.2	5.9
80°	5.3	3.8	2.6	3.8	5.1
82.5°	3.8	3.2	2.0	3.2	3.8
85°	2.0	2.2	1.2	2.2	2.2
87.5°	0.2	0.8	0.4	1.2	1.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)