

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: P1319449

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-35)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MW_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

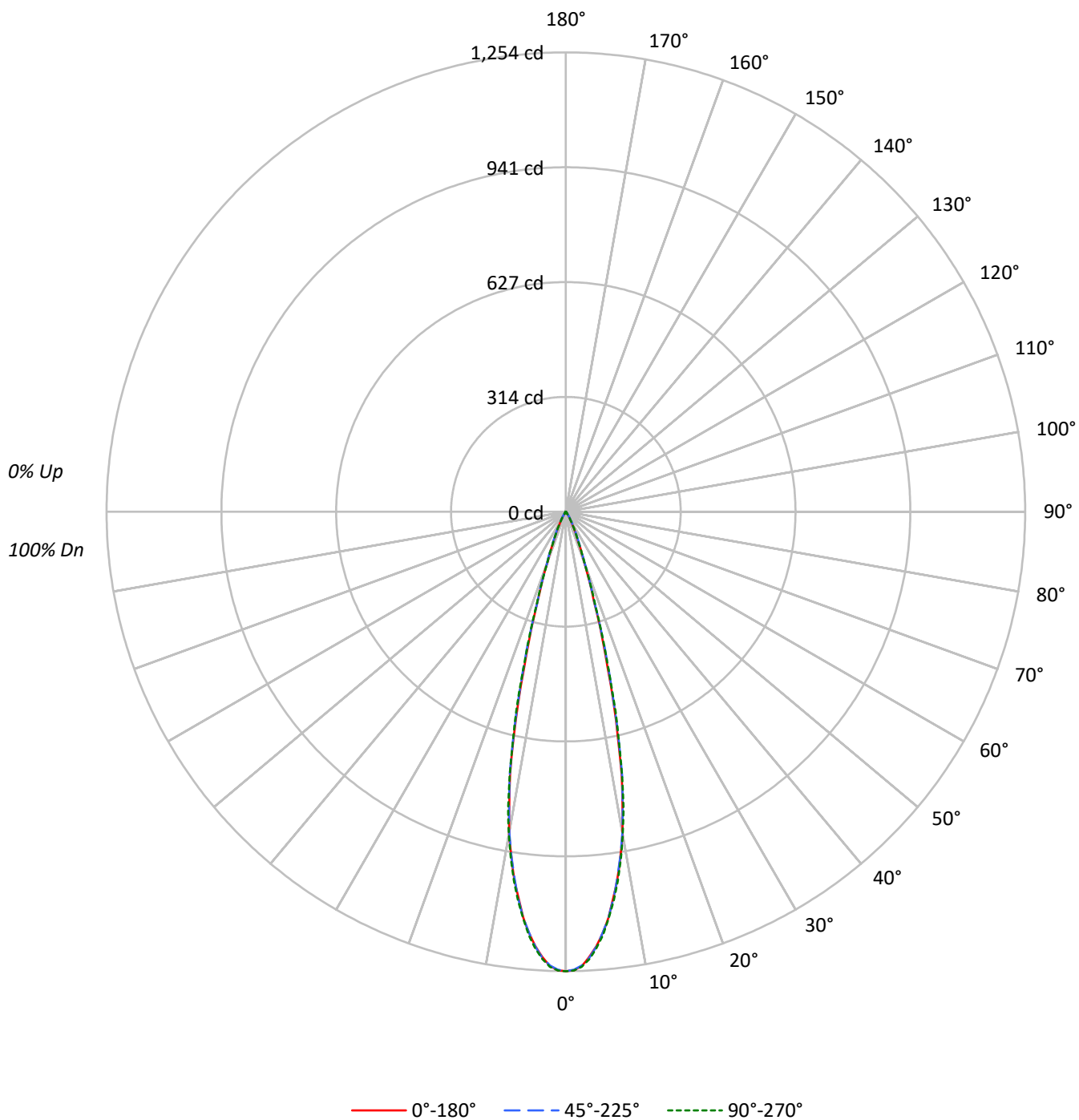
Lumens per Lamp: N/A
Luminaire Lumens: 265.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	109	108	107	106	105	103	102	102	100	99	99	97			
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94			
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91			
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89			
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86			
6	100	94	90	87	98	93	89	87	92	88	86	90	88	86	89	87	85	84			
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82			
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80			
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78			
10	90	84	80	78	89	84	80	77	83	80	77	82	79	77	82	79	77	76			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	216036	216036	216036
5°	199539	199470	200593
10°	155870	155450	156517
15°	78415	81696	81625
20°	26832	27565	27125
25°	10775	12124	11250
30°	4375	5230	4256
35°	1282	2292	1282
40°	585	989	585
45°	195	390	195
50°	107	161	107
55°	120	120	120
60°	138	138	138
65°	82	82	82
70°	101	101	101
75°	133	133	133
80°	0	198	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	38.4
10°-20°	124.6	47.0
20°-30°	30.4	11.5
30°-40°	6.3	2.4
40°-50°	1.1	0.4
50°-60°	0.4	0.1
60°-70°	0.3	0.1
70°-80°	0.2	0.1
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°	256.8	96.9
0°-40°	263.0	99.3
0°-60°	264.5	99.8
0°-90°	265.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	265.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1154	1155	1154	1156	1160	102
15°	440	447	458	460	458	123
25°	57	59	64	60	59	29
35°	6	8	11	8	6	5
45°	1	1	2	1	1	1
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°	1254.4	1254.4	1254.4	1254.4	1254.4
1°	1252.0	1250.4	1250.0	1250.2	1252.2
2°	1240.7	1239.7	1239.5	1240.1	1242.9
3°	1217.7	1218.9	1219.3	1221.3	1222.7
4°	1189.4	1191.8	1190.8	1193.2	1194.8
5°	1154.2	1155.3	1153.8	1156.3	1160.3
6°	1113.3	1109.6	1113.1	1114.1	1116.9
7°	1062.2	1063.0	1064.2	1065.4	1069.6
8°	1011.9	1009.5	1008.9	1014.5	1017.9
9°	953.1	953.5	951.3	957.8	958.8
10°	891.3	886.3	888.9	894.0	895.0
11°	809.8	808.3	812.2	820.0	826.3
12°	733.2	734.0	738.1	740.7	739.3
13°	632.0	638.1	643.2	645.8	642.3
14°	540.6	540.6	547.0	548.0	560.4
15°	439.8	447.3	458.2	460.2	457.8
17.5°	254.0	255.0	260.3	260.1	263.9
20°	146.4	147.8	150.4	149.8	148.0
22.5°	88.0	91.1	97.3	92.3	90.9
25°	56.7	59.4	63.8	60.2	59.2
27.5°	35.5	37.4	40.8	37.6	35.9
30°	22.0	23.0	26.3	23.2	21.4
32.5°	11.9	14.5	17.2	14.5	11.9
35°	6.1	8.5	10.9	8.3	6.1
37.5°	4.0	4.8	7.1	4.6	4.0
40°	2.6	3.2	4.4	3.2	2.6
42.5°	1.4	2.0	2.4	2.2	1.4
45°	0.8	1.2	1.6	1.2	0.8
47.5°	0.6	0.6	1.0	0.6	0.4
50°	0.4	0.4	0.6	0.4	0.4
52.5°	0.4	0.4	0.4	0.4	0.4
55°	0.4	0.4	0.4	0.4	0.4
57.5°	0.4	0.4	0.4	0.4	0.4
60°	0.4	0.4	0.4	0.4	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.2	0.4	0.2	0.2	0.2
67.5°	0.2	0.2	0.2	0.2	0.2
70°	0.2	0.2	0.2	0.2	0.2
72.5°	0.2	0.2	0.2	0.2	0.2
75°	0.2	0.2	0.2	0.2	0.2
77.5°	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.2	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)