

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: P1319439

Luminaire Tested: P3SQAS02R25B2750DE010 E3SQCD1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319439
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R25B2750DE010 E3SQCD1MB_2700K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

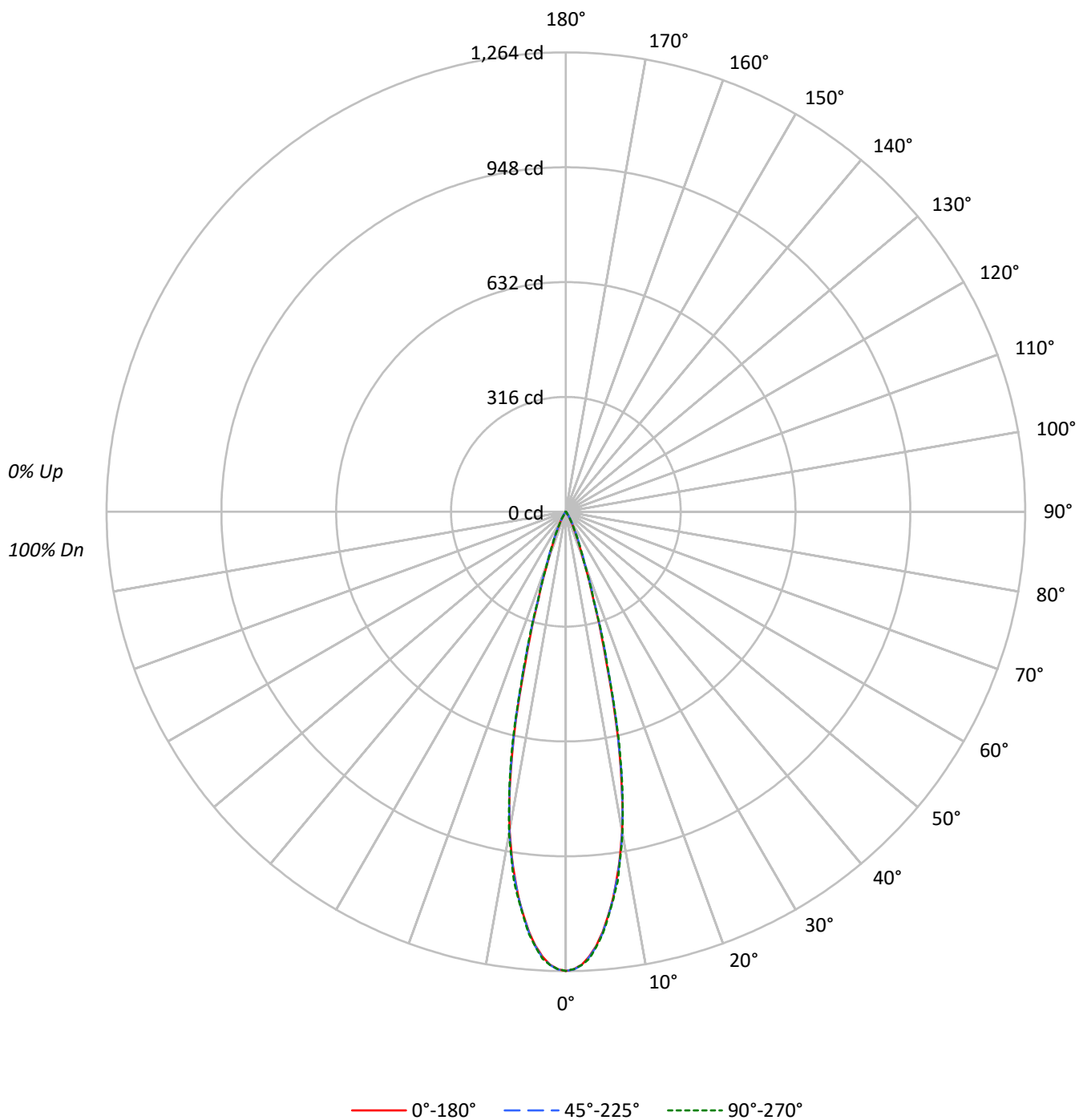
Lumens per Lamp: N/A
Luminaire Lumens: 263.0 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.45 / 0.41
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	217603	217603	217603
5°	200645	201095	201510
10°	155783	156360	157199
15°	76989	80234	80270
20°	25915	27656	26447
25°	10737	11934	11041
30°	4216	5290	4256
35°	1093	2166	1135
40°	405	854	405
45°	49	244	49
50°	0	54	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 244 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	38.9
10°-20°	123.8	47.1
20°-30°	30.2	11.5
30°-40°	5.9	2.2
40°-50°	0.7	0.3
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°	256.5	97.5
0°-40°	262.3	99.7
0°-60°	263.0	100.0
0°-90°	263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1264	1264	1264	1264	1264	
5°	1161	1162	1163	1168	1166	102
15°	432	442	450	454	450	122
25°	56	60	63	60	58	29
35°	5	8	10	8	5	5
45°	0	1	1	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.5	1263.5	1263.5	1263.5	1263.5
1°	1258.7	1259.5	1259.7	1260.9	1258.5
2°	1247.2	1247.4	1248.0	1250.4	1248.2
3°	1226.0	1227.4	1227.6	1230.8	1231.4
4°	1197.1	1197.9	1199.5	1205.0	1200.1
5°	1160.6	1162.2	1163.2	1168.3	1165.6
6°	1115.4	1115.8	1118.0	1123.9	1120.2
7°	1069.4	1069.2	1069.4	1074.0	1073.0
8°	1013.9	1012.9	1016.1	1021.8	1025.6
9°	956.0	957.4	959.4	964.9	960.4
10°	890.8	894.7	894.1	894.5	898.9
11°	815.8	817.0	817.2	821.4	820.8
12°	727.6	727.6	734.2	741.1	738.9
13°	638.6	644.9	640.4	641.8	650.7
14°	534.9	539.7	545.8	551.4	547.0
15°	431.8	442.1	450.0	454.4	450.2
17.5°	247.4	250.8	257.5	258.3	255.6
20°	141.4	145.7	150.9	149.3	144.3
22.5°	89.0	90.2	95.4	92.8	91.6
25°	56.5	59.5	62.8	60.1	58.1
27.5°	35.1	37.1	40.6	37.7	35.5
30°	21.2	23.0	26.6	22.8	21.4
32.5°	11.1	13.7	16.7	13.9	11.1
35°	5.2	7.5	10.3	7.5	5.4
37.5°	3.2	4.0	6.3	4.0	3.2
40°	1.8	2.6	3.8	2.6	1.8
42.5°	0.8	1.4	1.8	1.4	1.0
45°	0.2	0.6	1.0	0.6	0.2
47.5°	0.0	0.0	0.6	0.2	0.0
50°	0.0	0.0	0.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
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



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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)