

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: PORTFOLIO

Report Number: P1320849

Luminaire Tested: LDSQA3D02R35B2750DE010 3LSQCDR1MB_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320849
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R35B2750DE010 3LSQCDR1MB_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R35 optic, 5000K CCT AND, 80CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

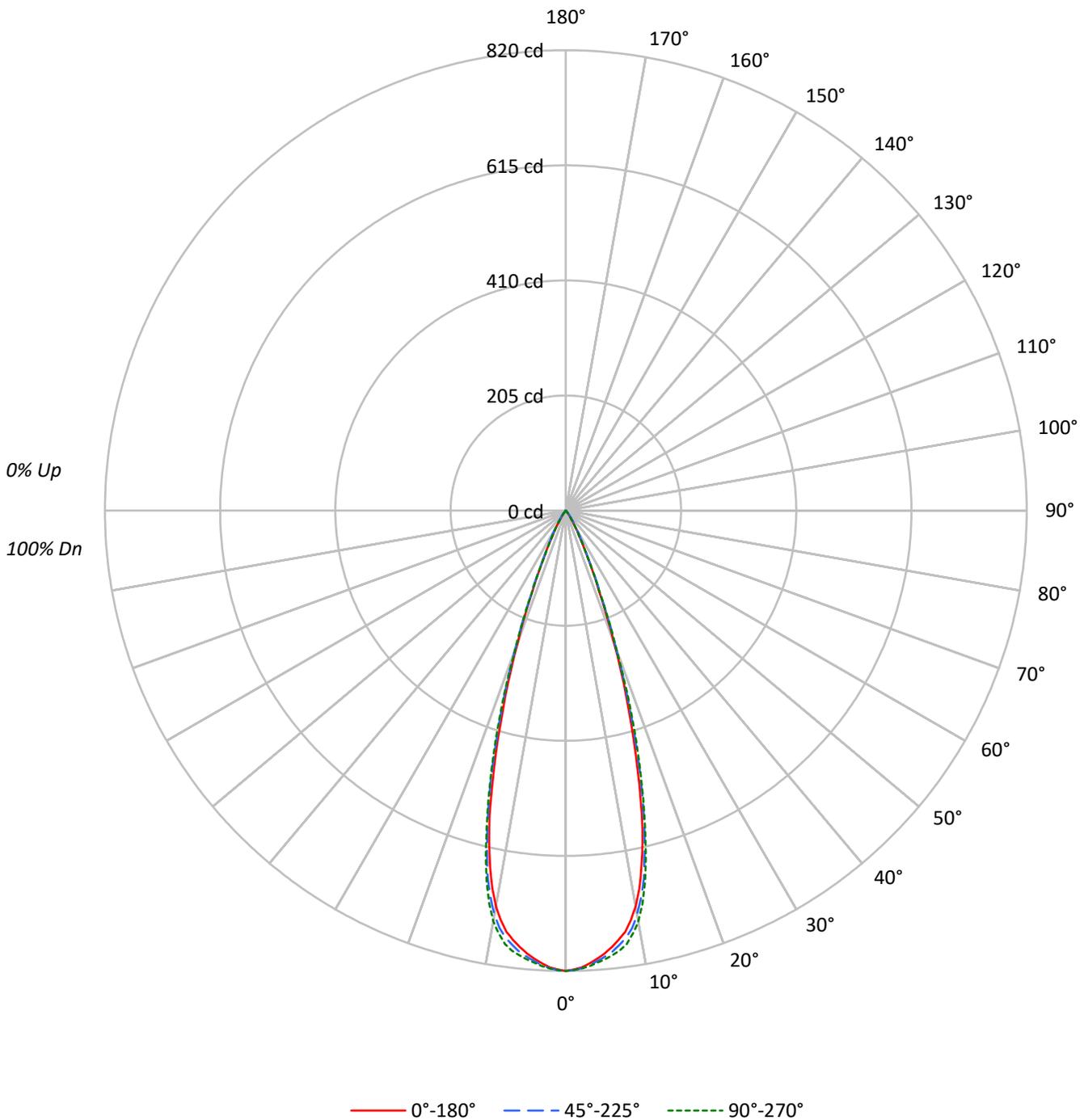
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 273.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
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	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	78
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	75
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	141205	141205	141205
5°	136921	137907	138650
10°	125126	127767	129970
15°	89987	93910	94694
20°	45819	48110	48220
25°	17387	17748	17254
30°	6742	7835	6582
35°	2313	3637	2187
40°	787	1416	719
45°	49	463	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: 463 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	27.2
10°-20°	138.3	50.7
20°-30°	49.7	18.2
30°-40°	9.7	3.6
40°-50°	1.1	0.4
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°	262.2	96.0
0°-40°	271.9	99.6
0°-60°	273.0	100.0
0°-90°	273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	820	820	820	820	820	
5°	792	794	798	801	802	73
15°	505	513	527	530	531	134
25°	92	92	93	93	91	48
35°	11	12	17	13	10	8
45°	0	1	2	1	0	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	819.9	819.9	819.9	819.9	819.9
1°	817.6	818.6	818.9	820.4	818.6
2°	814.1	814.7	815.6	816.9	816.0
3°	807.4	808.7	810.6	812.4	812.4
4°	800.3	802.0	804.4	807.4	807.2
5°	792.0	794.2	797.7	801.3	802.0
6°	781.7	784.3	789.9	795.1	795.9
7°	770.6	774.5	779.9	787.5	789.4
8°	757.7	760.7	768.5	777.3	779.5
9°	738.6	743.2	753.1	761.3	762.6
10°	715.5	718.7	730.6	739.3	743.2
11°	685.7	690.4	702.1	711.0	713.6
12°	647.6	654.5	668.1	674.6	676.8
13°	606.5	612.4	623.0	631.0	632.7
14°	560.2	565.9	576.9	583.4	581.9
15°	504.7	513.1	526.7	530.4	531.1
17.5°	372.8	378.2	390.3	396.1	400.2
20°	250.0	255.1	262.5	266.4	263.1
22.5°	152.0	156.3	160.2	160.0	158.9
25°	91.5	92.3	93.4	92.8	90.8
27.5°	53.4	55.8	59.0	56.9	53.6
30°	33.9	35.9	39.4	35.7	33.1
32.5°	17.9	22.7	26.4	21.4	18.8
35°	11.0	12.5	17.3	12.8	10.4
37.5°	6.7	7.8	10.8	7.6	6.1
40°	3.5	5.0	6.3	4.5	3.2
42.5°	1.1	2.4	3.5	2.2	1.1
45°	0.2	0.6	1.9	0.6	0.2
47.5°	0.0	0.0	0.9	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)