

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: P1320989

Luminaire Tested: LDSQA3D02R45B2750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R45B2750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R45 optic, 5000K CCT AND, 80CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

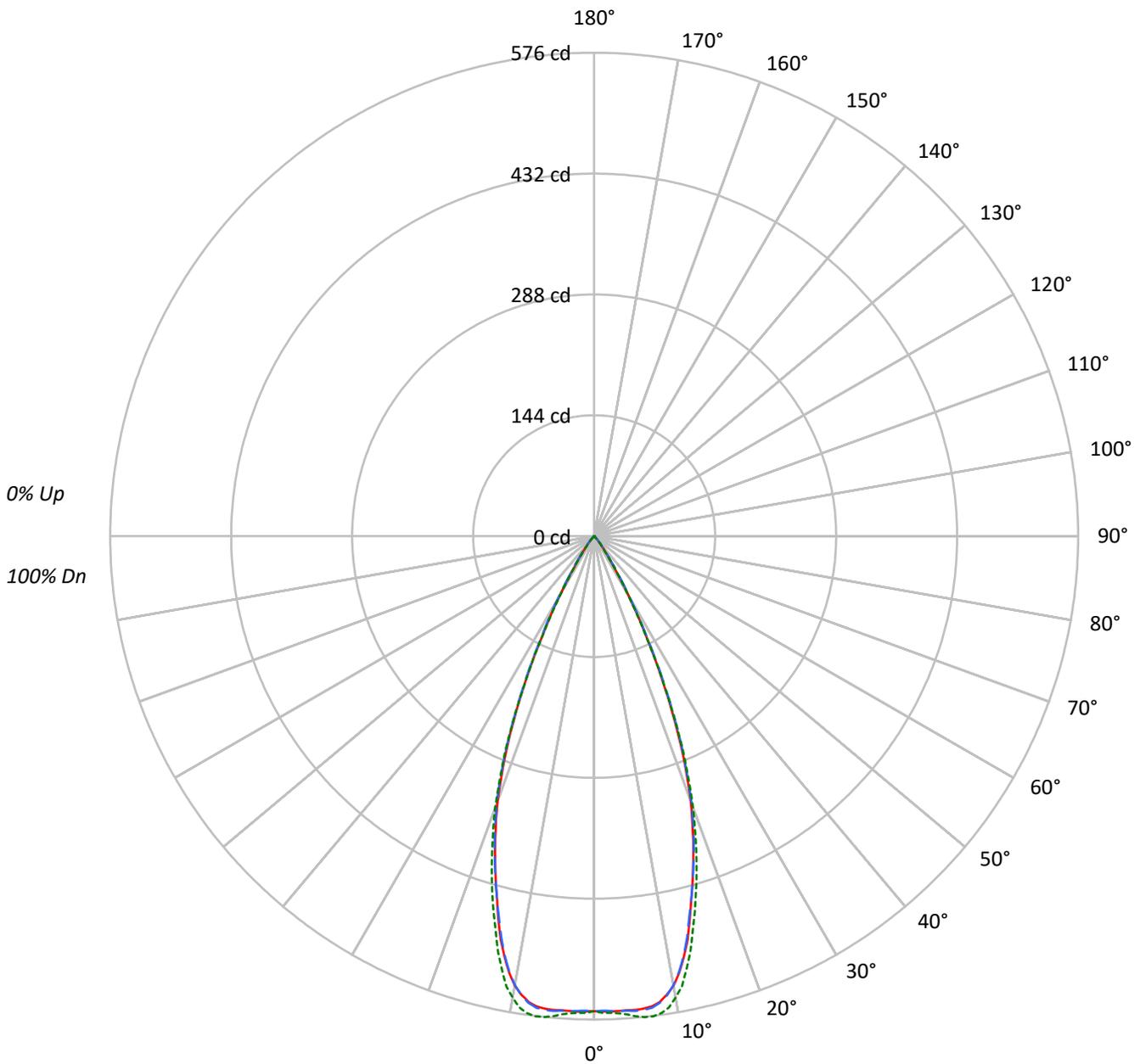
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 292.9 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	97495	97495	97495
5°	97989	98162	99285
10°	95082	94995	97635
15°	79681	79646	82570
20°	61599	62222	63102
25°	37758	38537	37834
30°	16188	16923	15671
35°	5088	6139	4941
40°	1754	2226	1709
45°	317	950	268
50°	161	348	161
55°	180	180	180
60°	138	138	138
65°	163	163	163
70°	101	101	101
75°	133	133	133
80°	198	198	198
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 950 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.8	18.4
10°-20°	124.3	42.4
20°-30°	91.0	31.1
30°-40°	20.1	6.9
40°-50°	2.5	0.8
50°-60°	0.5	0.2
60°-70°	0.4	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°	269.2	91.9
0°-40°	289.3	98.8
0°-60°	292.3	99.8
0°-90°	292.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	292.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	566	566	566	566	566	
5°	567	566	568	572	574	54
15°	447	444	447	458	463	123
25°	199	198	203	201	199	90
35°	24	26	29	26	24	19
45°	1	2	4	2	1	2
55°	1	1	1	1	1	1
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°	566.1	566.1	566.1	566.1	566.1
1°	566.5	565.7	565.5	567.0	568.1
2°	567.0	565.9	566.1	567.6	568.3
3°	566.5	565.5	566.5	568.7	569.6
4°	566.3	565.9	567.0	570.0	571.5
5°	566.8	566.3	567.8	571.9	574.3
6°	566.1	565.5	567.6	572.8	576.3
7°	564.6	564.0	566.3	572.6	576.5
8°	560.5	559.2	561.6	569.4	574.1
9°	553.2	551.4	553.8	562.9	568.5
10°	543.7	541.7	543.2	552.1	558.3
11°	530.0	527.5	529.2	538.7	546.9
12°	512.8	509.1	511.3	522.1	527.9
13°	494.0	490.5	491.0	500.7	508.9
14°	470.6	466.1	468.1	478.2	484.7
15°	446.9	444.5	446.7	457.5	463.1
17.5°	392.5	392.2	394.2	402.2	405.2
20°	336.1	336.7	339.5	343.9	344.3
22.5°	269.3	269.6	272.6	275.6	275.0
25°	198.7	198.5	202.8	201.3	199.1
27.5°	131.8	132.6	136.5	133.7	131.5
30°	81.4	83.2	85.1	81.6	78.8
32.5°	44.1	46.9	49.7	46.7	43.8
35°	24.2	25.5	29.2	25.5	23.5
37.5°	14.0	14.7	17.1	14.7	13.4
40°	7.8	8.9	9.9	8.9	7.6
42.5°	3.2	5.0	6.0	5.0	3.2
45°	1.3	2.2	3.9	2.2	1.1
47.5°	0.6	0.9	2.4	0.9	0.6
50°	0.6	0.6	1.3	0.6	0.6
52.5°	0.6	0.6	0.6	0.6	0.6
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.6	0.6	0.6	0.6	0.6
60°	0.4	0.4	0.4	0.6	0.4
62.5°	0.4	0.4	0.4	0.4	0.4
65°	0.4	0.4	0.4	0.4	0.4
67.5°	0.4	0.4	0.4	0.4	0.4
70°	0.2	0.2	0.2	0.4	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°	0.2	0.2	0.2	0.2	0.2
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)