

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: P1327559

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

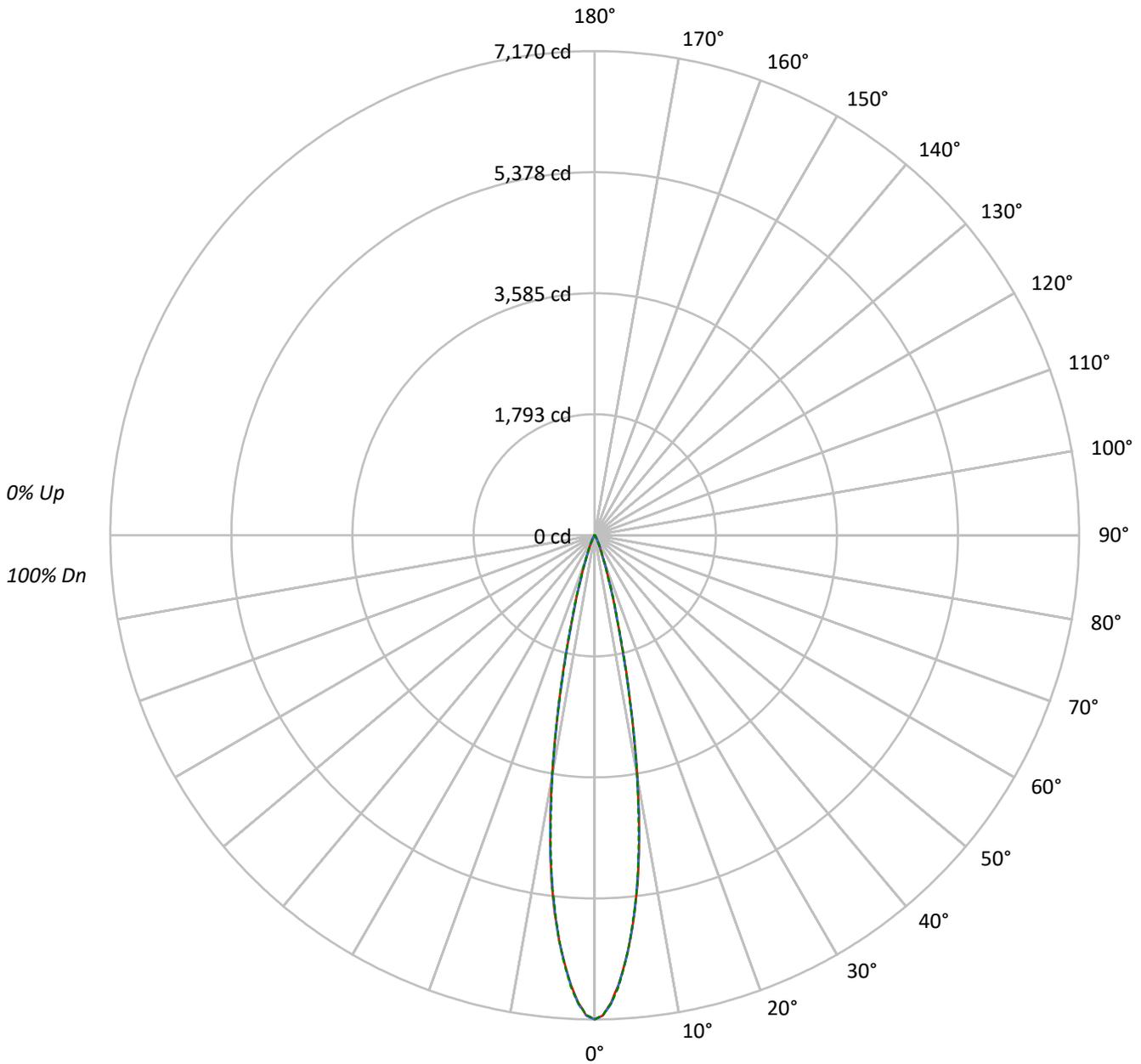
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 988.0 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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

TEST NUMBER: P1327559
CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1327559
 CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1234750	1234750	1234750
5°	1040706	1041104	1040585
10°	634183	631245	632714
15°	223390	224335	231288
20°	70195	72156	70616
25°	26300	28770	27022
30°	10182	14438	10639
35°	3847	6433	4184
40°	2068	2743	2068
45°	755	1315	926
50°	402	616	402
55°	450	450	450
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1315 cd/sqm



TEST NUMBER: P1327559

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	497.7	50.4
10°-20°	390.3	39.5
20°-30°	76.6	7.8
30°-40°	17.2	1.7
40°-50°	3.9	0.4
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.3	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°	964.6	97.6
0°-40°	981.8	99.4
0°-60°	986.9	99.9
0°-90°	988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7170	7170	7170	7170	7170	
5°	6020	6025	6022	6043	6019	499
15°	1253	1258	1258	1286	1297	389
25°	138	148	151	149	142	73
35°	18	22	31	22	20	14
45°	3	5	5	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1327559

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7169.5	7169.5	7169.5	7169.5	7169.5
1°	7111.4	7096.1	7113.7	7099.9	7103.0
2°	6927.2	6918.8	6941.7	6927.2	6934.8
3°	6671.1	6660.4	6677.2	6678.0	6699.4
4°	6365.3	6344.7	6369.9	6370.7	6374.5
5°	6019.8	6025.2	6022.1	6042.7	6019.1
6°	5631.5	5649.1	5626.1	5637.6	5604.7
7°	5197.3	5175.1	5163.7	5167.5	5190.4
8°	4718.0	4702.7	4719.5	4695.8	4679.8
9°	4185.2	4158.5	4176.8	4153.9	4130.9
10°	3626.4	3614.2	3609.6	3583.6	3618.0
11°	3066.1	3029.4	3047.7	3034.8	3072.2
12°	2541.7	2544.8	2508.8	2520.3	2524.9
13°	2068.5	2019.6	2025.7	2057.1	2062.4
14°	1604.5	1611.4	1613.7	1635.9	1648.9
15°	1252.9	1258.2	1258.2	1285.8	1297.2
17.5°	671.9	671.9	686.5	689.5	691.0
20°	383.0	385.3	393.7	392.9	385.3
22.5°	229.3	233.9	238.5	233.9	229.3
25°	138.4	147.5	151.4	149.1	142.2
27.5°	82.6	92.5	103.2	94.8	81.8
30°	51.2	56.6	72.6	58.1	53.5
32.5°	28.3	36.7	49.7	38.2	29.0
35°	18.3	22.2	30.6	22.2	19.9
37.5°	13.0	15.3	19.1	16.1	13.8
40°	9.2	10.7	12.2	11.5	9.2
42.5°	6.1	7.6	8.4	7.6	6.1
45°	3.1	4.6	5.4	4.6	3.8
47.5°	1.5	2.3	3.8	2.3	1.5
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	0.8	1.5	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.8
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



TEST NUMBER: P1327559
CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)