

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: P1327558

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327558
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

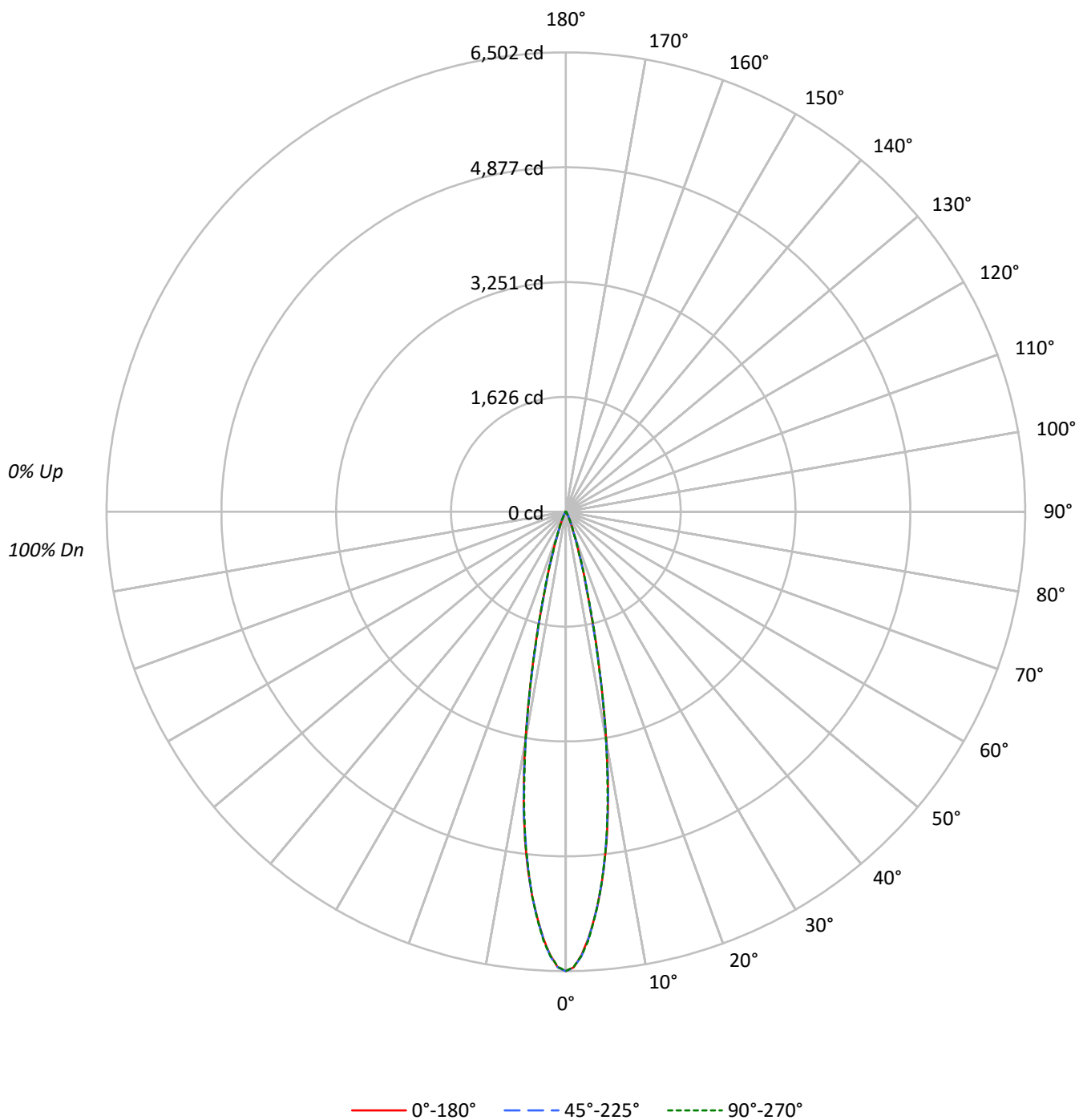
Lumens per Lamp: N/A
Luminaire Lumens: 896.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1119774	1119774	1119774
5°	943807	944152	943686
10°	575126	572468	573797
15°	202582	203456	209750
20°	63652	65429	64036
25°	23848	26091	24494
30°	9227	13105	9645
35°	3490	5824	3784
40°	1866	2496	1866
45°	682	1193	852
50°	375	563	375
55°	420	420	420
60°	241	241	241
65°	285	285	285
70°	352	352	352
75°	0	0	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.3	50.4
10°-20°	353.9	39.5
20°-30°	69.5	7.8
30°-40°	15.6	1.7
40°-50°	3.6	0.4
50°-60°	1.1	0.1
60°-70°	0.7	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°	874.8	97.6
0°-40°	890.4	99.4
0°-60°	895.0	99.9
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6502	6502	6502	6502	6502	
5°	5459	5464	5461	5480	5459	452
15°	1136	1141	1141	1166	1176	353
25°	126	134	137	135	129	66
35°	17	20	28	20	18	12
45°	3	4	5	4	4	3
55°	1	1	1	1	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6501.9	6501.9	6501.9	6501.9	6501.9
1°	6449.2	6435.3	6451.3	6438.8	6441.6
2°	6282.1	6274.5	6295.3	6282.1	6289.1
3°	6049.9	6040.2	6055.5	6056.1	6075.6
4°	5772.6	5753.9	5776.8	5777.5	5780.9
5°	5459.3	5464.1	5461.3	5480.1	5458.6
6°	5107.1	5123.0	5102.2	5112.6	5082.8
7°	4713.3	4693.2	4682.8	4686.3	4707.1
8°	4278.7	4264.8	4280.1	4258.6	4244.0
9°	3795.5	3771.2	3787.9	3767.1	3746.3
10°	3288.7	3277.6	3273.5	3249.9	3281.1
11°	2780.6	2747.3	2763.9	2752.2	2786.1
12°	2305.0	2307.8	2275.2	2285.6	2289.8
13°	1875.9	1831.5	1837.1	1865.5	1870.4
14°	1455.1	1461.4	1463.4	1483.5	1495.3
15°	1136.2	1141.1	1141.1	1166.0	1176.4
17.5°	609.4	609.4	622.5	625.3	626.7
20°	347.3	349.4	357.0	356.3	349.4
22.5°	208.0	212.1	216.3	212.1	208.0
25°	125.5	133.8	137.3	135.2	128.9
27.5°	74.9	83.9	93.6	86.0	74.2
30°	46.4	51.3	65.9	52.7	48.5
32.5°	25.6	33.3	45.1	34.7	26.3
35°	16.6	20.1	27.7	20.1	18.0
37.5°	11.8	13.9	17.3	14.6	12.5
40°	8.3	9.7	11.1	10.4	8.3
42.5°	5.5	6.9	7.6	6.9	5.5
45°	2.8	4.2	4.9	4.2	3.5
47.5°	1.4	2.1	3.5	2.1	1.4
50°	1.4	1.4	2.1	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	0.7	1.4	0.7
60°	0.7	0.7	0.7	0.7	0.7
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.7
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)