

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: P1327390

Luminaire Tested: LDSQA3D13R15W2N902750DE010 3LSQCDR1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R15W2N902750DE010 3LSQCDR1MMS_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

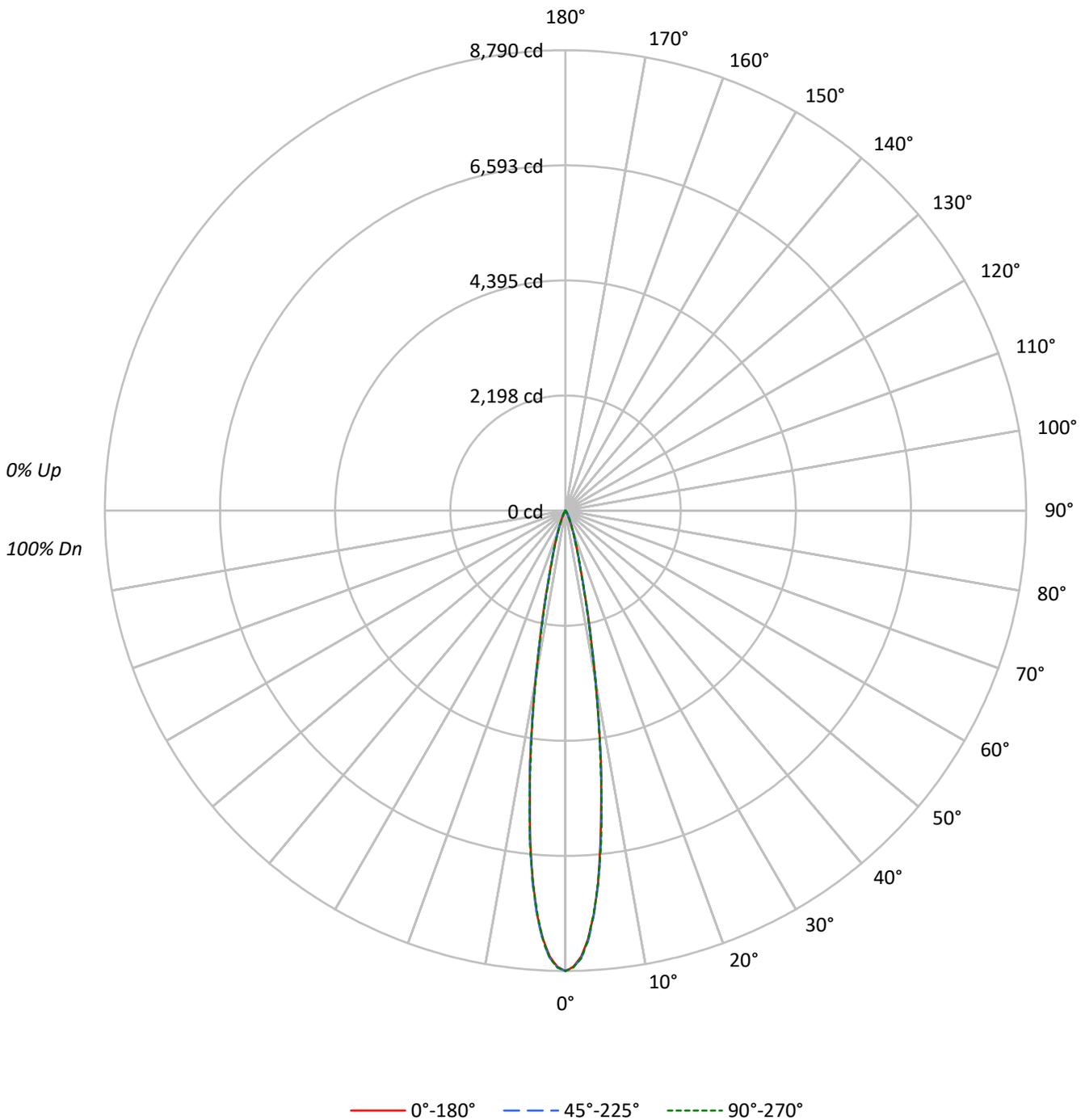
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 981.0 lumens
Efficiency: N/A
Efficacy: 79.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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			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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1513785	1513785	1513785
5°	1232500	1236528	1234107
10°	574934	580093	572765
15°	180545	182060	180955
20°	71532	74373	69260
25°	28903	34946	27877
30°	11574	15889	10957
35°	3427	7022	3259
40°	1057	2608	877
45°	195	560	195
50°	0	214	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: 560 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.3	56.1
10°-20°	329.1	33.6
20°-30°	83.0	8.5
30°-40°	16.9	1.7
40°-50°	1.6	0.2
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°	962.5	98.1
0°-40°	979.4	99.8
0°-60°	981.0	100.0
0°-90°	981.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	981.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8790	8790	8790	8790	8790	
5°	7129	7116	7152	7135	7138	549
15°	1013	1021	1021	1006	1015	329
25°	152	166	184	163	147	78
35°	16	22	33	21	16	13
45°	1	2	2	2	1	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°	8789.7	8789.7	8789.7	8789.7	8789.7
1°	8710.6	8740.1	8724.5	8737.0	8723.0
2°	8522.0	8561.6	8549.2	8545.3	8556.2
3°	8189.9	8235.7	8234.2	8222.5	8203.9
4°	7736.8	7718.2	7746.9	7743.8	7712.0
5°	7129.2	7116.0	7152.5	7134.7	7138.5
6°	6385.9	6443.3	6430.9	6432.5	6447.2
7°	5587.5	5618.5	5644.9	5666.6	5636.3
8°	4854.2	4846.5	4848.8	4873.6	4789.8
9°	4033.3	4081.4	4050.3	4000.7	4032.5
10°	3287.6	3317.1	3317.1	3273.6	3275.2
11°	2621.1	2645.1	2628.1	2638.9	2570.7
12°	2112.9	2053.1	2039.1	2050.0	2049.2
13°	1613.2	1617.0	1613.2	1612.4	1604.6
14°	1264.8	1284.9	1276.4	1255.5	1246.1
15°	1012.6	1021.1	1021.1	1006.4	1014.9
17.5°	608.3	618.4	620.7	610.7	610.7
20°	390.3	394.9	405.8	391.1	377.9
22.5°	240.5	250.6	269.2	247.5	236.7
25°	152.1	166.0	183.9	162.9	146.7
27.5°	95.4	107.1	122.6	102.4	92.3
30°	58.2	66.0	79.9	64.4	55.1
32.5°	32.6	38.8	50.4	37.2	31.0
35°	16.3	21.7	33.4	21.0	15.5
37.5°	9.3	11.6	21.0	10.1	8.5
40°	4.7	6.2	11.6	6.2	3.9
42.5°	1.6	3.1	4.7	3.1	1.6
45°	0.8	1.6	2.3	1.6	0.8
47.5°	0.0	0.0	0.8	0.0	0.0
50°	0.0	0.0	0.8	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)