

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: P1327483

Luminaire Tested: LDSQA3D13R15W2N902765DE010 3LSQCDR1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327483
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R15W2N902765DE010 3LSQCDR1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R15 optic, 4000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

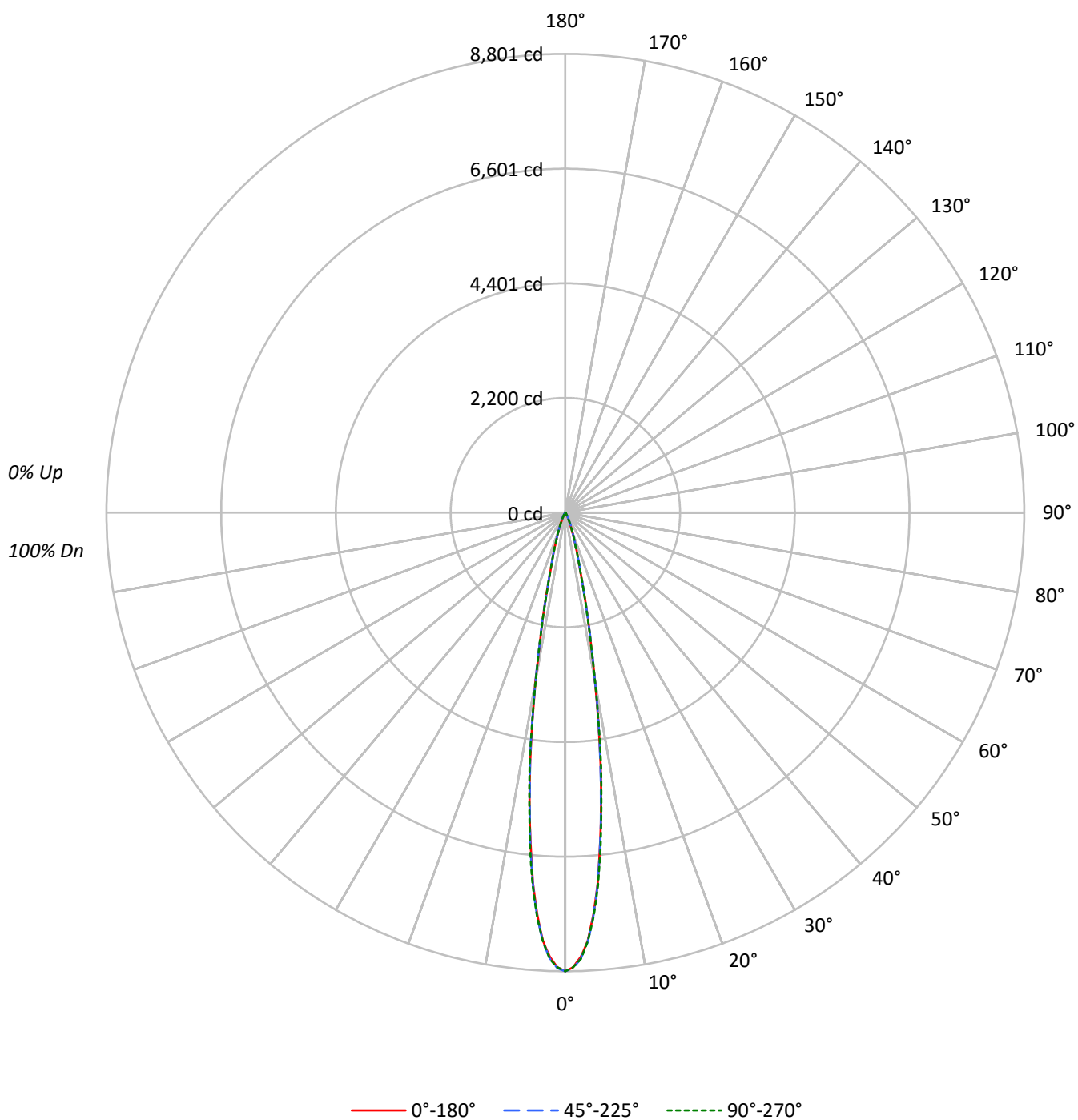
Lumens per Lamp: N/A
Luminaire Lumens: 988.1 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1515714	1515714	1515714
5°	1232482	1236770	1241075
10°	573989	574531	571401
15°	177603	183950	180509
20°	70799	74776	69956
25°	29625	34946	28162
30°	12031	16048	11117
35°	3911	7338	3595
40°	1394	2968	1394
45°	560	950	560
50°	429	616	429
55°	480	480	480
60°	551	551	551
65°	326	326	326
70°	403	403	403
75°	532	532	532
80°	0	0	0
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°	550.9	55.8
10°-20°	329.4	33.3
20°-30°	83.8	8.5
30°-40°	18.2	1.8
40°-50°	2.9	0.3
50°-60°	1.5	0.1
60°-70°	0.9	0.1
70°-80°	0.5	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°	964.1	97.6
0°-40°	982.3	99.4
0°-60°	986.7	99.9
0°-90°	988.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	988.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8801	8801	8801	8801	8801	
5°	7129	7139	7154	7121	7179	550
15°	996	1024	1032	1017	1012	328
25°	156	167	184	163	148	79
35°	19	24	35	23	17	15
45°	2	3	4	3	2	2
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	8800.9	8800.9	8800.9	8800.9	8800.9
1°	8724.1	8738.8	8741.1	8738.8	8726.4
2°	8527.8	8571.2	8561.9	8543.3	8569.7
3°	8224.5	8246.2	8243.1	8244.6	8238.4
4°	7731.1	7769.1	7747.4	7763.7	7765.2
5°	7129.1	7139.2	7153.9	7121.4	7178.8
6°	6388.3	6452.7	6396.0	6451.9	6474.4
7°	5635.0	5672.3	5600.1	5638.9	5662.2
8°	4864.7	4799.6	4839.1	4839.9	4916.7
9°	4033.1	4046.3	4079.7	4041.6	4075.0
10°	3282.2	3312.4	3285.3	3272.1	3267.4
11°	2591.8	2625.9	2623.6	2627.5	2601.9
12°	2085.2	2067.4	2079.0	2041.0	2058.1
13°	1622.9	1623.6	1614.3	1598.8	1584.9
14°	1271.5	1263.7	1285.4	1266.0	1248.2
15°	996.1	1024.0	1031.7	1017.0	1012.4
17.5°	614.4	615.2	626.0	612.1	610.5
20°	386.3	395.6	408.0	393.3	381.7
22.5°	244.4	252.9	272.3	253.7	237.4
25°	155.9	166.8	183.9	162.9	148.2
27.5°	97.7	107.8	124.1	104.7	93.9
30°	60.5	67.5	80.7	65.9	55.9
32.5°	34.9	41.9	52.8	39.6	33.4
35°	18.6	24.0	34.9	23.3	17.1
37.5°	10.9	14.0	22.5	12.4	10.1
40°	6.2	8.5	13.2	7.8	6.2
42.5°	3.9	5.4	6.2	4.7	3.1
45°	2.3	3.1	3.9	3.1	2.3
47.5°	1.6	2.3	3.1	1.6	1.6
50°	1.6	1.6	2.3	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.6	1.6	1.6	1.6	1.6
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°	0.8	0.8	0.8	0.8	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



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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)