

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: P1309369

Luminaire Tested: LDSQA3D17R209030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309369
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: LDSQA3D17R209030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

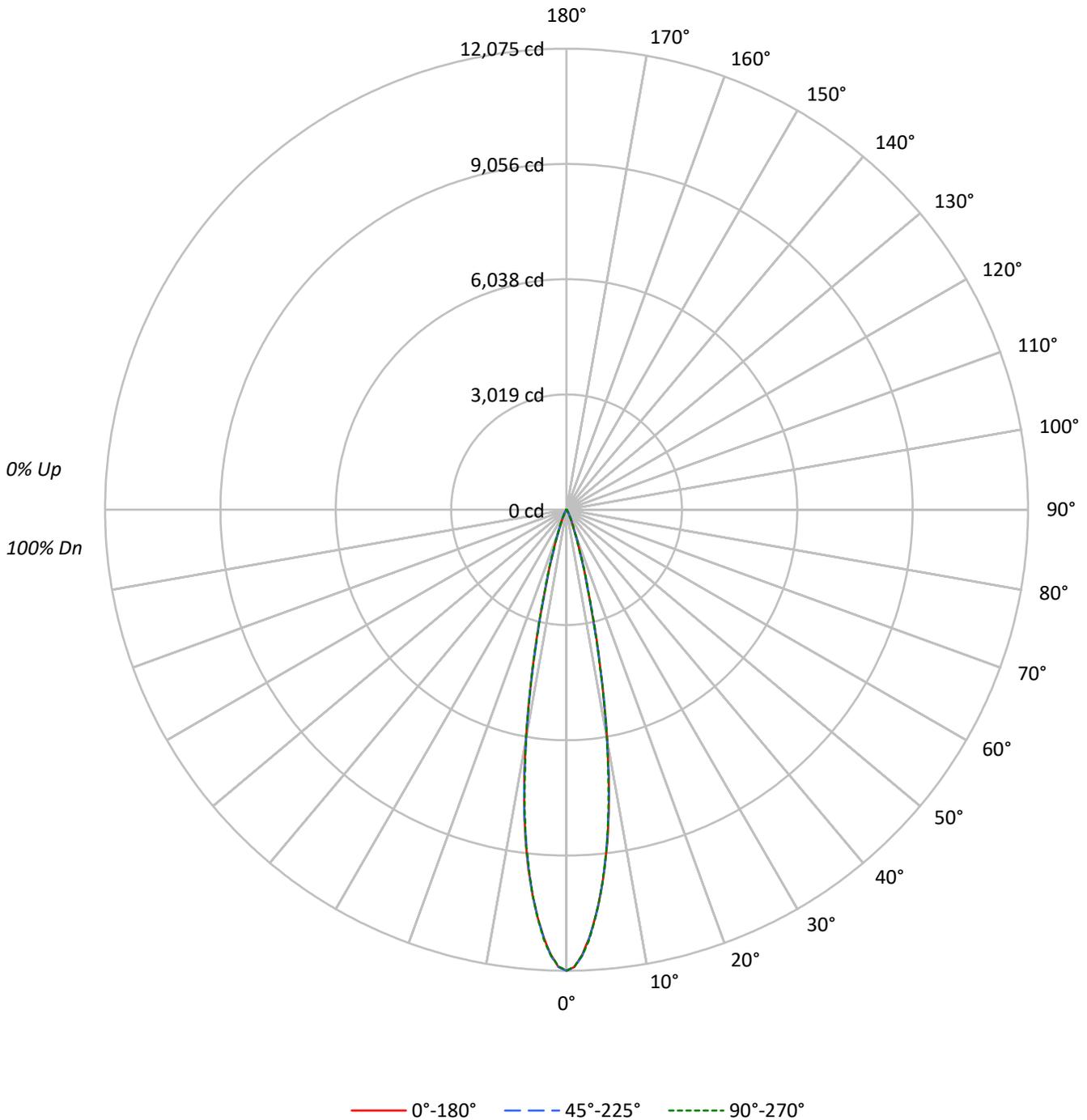
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1664.0 lumens
Efficiency: N/A
Efficacy: 78.5 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2079588	2079588	2079588
5°	1752766	1753441	1752542
10°	1068094	1063145	1065628
15°	376227	377831	389545
20°	118213	121512	118927
25°	44276	48438	45511
30°	17162	24321	17918
35°	6497	10828	7043
40°	3462	4631	3462
45°	1242	2192	1559
50°	697	1045	697
55°	781	781	781
60°	448	448	448
65°	530	530	530
70°	655	655	655
75°	0	0	865
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	838.2	50.4
10°-20°	657.3	39.5
20°-30°	129.1	7.8
30°-40°	29.0	1.7
40°-50°	6.6	0.4
50°-60°	2.1	0.1
60°-70°	1.3	0.1
70°-80°	0.6	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°	1624.5	97.6
0°-40°	1653.5	99.4
0°-60°	1662.2	99.9
0°-90°	1664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12075	12075	12075	12075	12075	
5°	10139	10148	10142	10177	10137	840
15°	2110	2119	2119	2166	2185	656
25°	233	248	255	251	240	123
35°	31	37	52	37	34	23
45°	5	8	9	8	6	5
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	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°	12075.0	12075.0	12075.0	12075.0	12075.0
1°	11977.1	11951.4	11981.0	11957.8	11962.9
2°	11666.8	11652.7	11691.3	11666.8	11679.7
3°	11235.5	11217.5	11245.8	11247.1	11283.2
4°	10720.6	10685.8	10728.3	10729.6	10736.0
5°	10138.6	10147.6	10142.5	10177.3	10137.3
6°	9484.6	9514.2	9475.6	9494.9	9439.6
7°	8753.3	8716.0	8696.7	8703.1	8741.8
8°	7946.1	7920.4	7948.7	7908.8	7881.7
9°	7048.8	7003.7	7034.6	6996.0	6957.4
10°	6107.6	6087.0	6079.3	6035.5	6093.5
11°	5163.9	5102.1	5133.0	5111.2	5174.2
12°	4280.8	4285.9	4225.4	4244.7	4252.4
13°	3483.8	3401.4	3411.7	3464.5	3473.5
14°	2702.3	2713.9	2717.8	2755.1	2777.0
15°	2110.1	2119.1	2119.1	2165.5	2184.8
17.5°	1131.7	1131.7	1156.1	1161.3	1163.9
20°	645.0	648.9	663.0	661.7	648.9
22.5°	386.2	394.0	401.7	394.0	386.2
25°	233.0	248.5	254.9	251.1	239.5
27.5°	139.0	155.8	173.8	159.6	137.8
30°	86.3	95.3	122.3	97.8	90.1
32.5°	47.6	61.8	83.7	64.4	48.9
35°	30.9	37.3	51.5	37.3	33.5
37.5°	21.9	25.7	32.2	27.0	23.2
40°	15.4	18.0	20.6	19.3	15.4
42.5°	10.3	12.9	14.2	12.9	10.3
45°	5.1	7.7	9.0	7.7	6.4
47.5°	2.6	3.9	6.4	3.9	2.6
50°	2.6	2.6	3.9	2.6	2.6
52.5°	2.6	2.6	2.6	2.6	2.6
55°	2.6	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	1.3	2.6	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	1.3
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)