

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: P1309515

Luminaire Tested: LDSQA3D20R209030D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309515
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: LDSQA3D20R209030D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

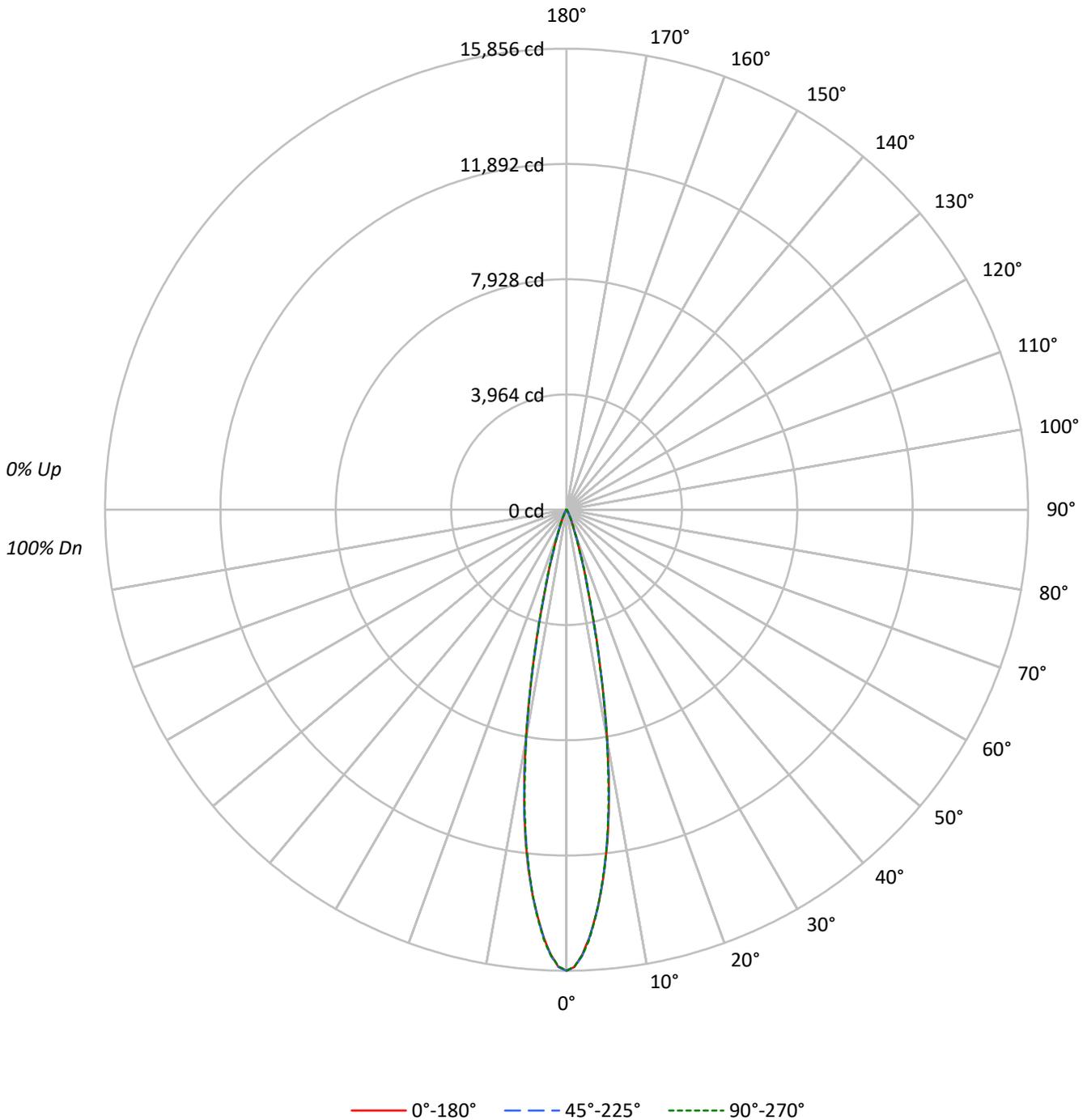
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2185.0 lumens
Efficiency: N/A
Efficacy: 75.9 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): 28.8
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
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	86	84	88	85	83	88	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°	2730693	2730693	2730693
5°	2301575	2302440	2301282
10°	1402533	1396028	1399280
15°	494028	496132	511519
20°	155234	159560	156151
25°	58148	63602	59744
30°	22531	31938	23526
35°	8536	14213	9251
40°	4564	6070	4564
45°	1656	2874	2070
50°	911	1366	911
55°	1021	1021	1021
60°	586	586	586
65°	693	693	693
70°	856	856	856
75°	0	0	1131
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2874 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.7	50.4
10°-20°	863.1	39.5
20°-30°	169.5	7.8
30°-40°	38.0	1.7
40°-50°	8.7	0.4
50°-60°	2.7	0.1
60°-70°	1.7	0.1
70°-80°	0.7	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°	2133.2	97.6
0°-40°	2171.2	99.4
0°-60°	2182.6	99.9
0°-90°	2185.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2185.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	15856	15856	15856	15856	15856	
5°	13313	13325	13318	13364	13311	1103
15°	2771	2783	2783	2844	2869	861
25°	306	326	335	330	314	161
35°	41	49	68	49	44	30
45°	7	10	12	10	8	7
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	0	0	0	0	2	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°	15855.6	15855.6	15855.6	15855.6	15855.6
1°	15727.2	15693.3	15732.2	15701.8	15708.6
2°	15319.7	15301.1	15351.9	15319.7	15336.6
3°	14753.4	14729.7	14766.9	14768.6	14815.9
4°	14077.2	14031.5	14087.3	14089.0	14097.5
5°	13313.1	13324.9	13318.1	13363.8	13311.4
6°	12454.3	12493.1	12442.4	12467.8	12395.1
7°	11494.0	11445.0	11419.6	11428.1	11478.8
8°	10434.1	10400.2	10437.4	10385.0	10349.5
9°	9255.7	9196.6	9237.1	9186.4	9135.7
10°	8020.0	7992.9	7982.8	7925.3	8001.4
11°	6780.8	6699.6	6740.2	6711.5	6794.3
12°	5621.1	5627.8	5548.4	5573.7	5583.9
13°	4574.6	4466.4	4479.9	4549.3	4561.1
14°	3548.5	3563.7	3568.7	3617.8	3646.5
15°	2770.8	2782.6	2782.6	2843.5	2868.9
17.5°	1486.0	1486.0	1518.1	1524.9	1528.3
20°	847.0	852.0	870.6	868.9	852.0
22.5°	507.2	517.3	527.5	517.3	507.2
25°	306.0	326.3	334.7	329.7	314.4
27.5°	182.6	204.6	228.2	209.6	180.9
30°	113.3	125.1	160.6	128.5	118.3
32.5°	62.6	81.1	109.9	84.5	64.2
35°	40.6	49.0	67.6	49.0	44.0
37.5°	28.7	33.8	42.3	35.5	30.4
40°	20.3	23.7	27.0	25.4	20.3
42.5°	13.5	16.9	18.6	16.9	13.5
45°	6.8	10.1	11.8	10.1	8.5
47.5°	3.4	5.1	8.5	5.1	3.4
50°	3.4	3.4	5.1	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	1.7	3.4	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	1.7	1.7	1.7	1.7	1.7
67.5°	1.7	1.7	1.7	1.7	1.7
70°	1.7	1.7	1.7	1.7	1.7
72.5°	1.7	1.7	1.7	1.7	1.7
75°	0.0	0.0	0.0	0.0	1.7
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)