

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: P1310633

Luminaire Tested: LDSQA3D20R209035D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310633
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: LDSQA3D20R209035D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

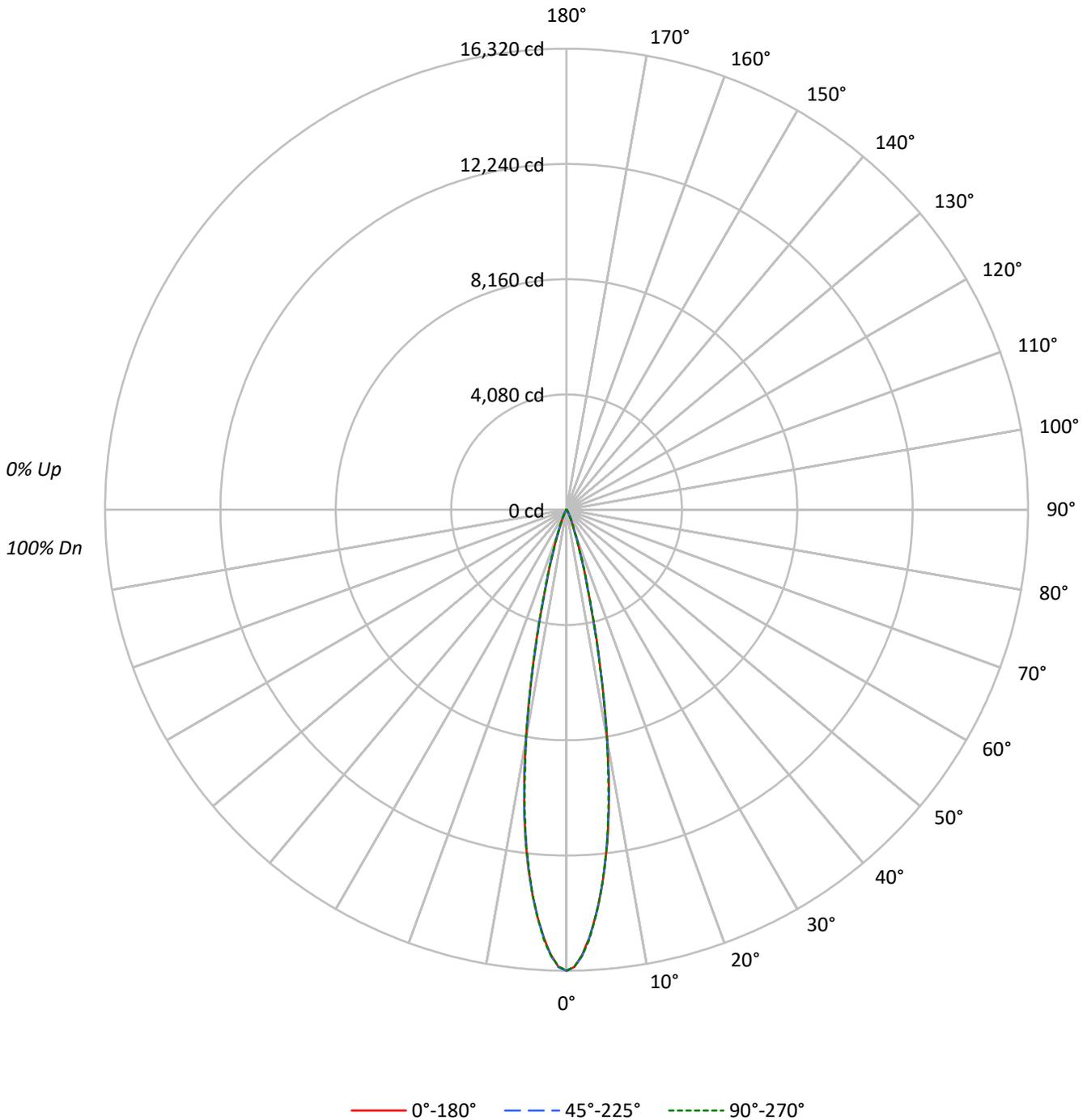
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2248.9 lumens
Efficiency: N/A
Efficacy: 78.1 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

TEST NUMBER: P1310633
CATALOG NUMBER: LDSQA3D20R209035D010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1310633
 CATALOG NUMBER: LDSQA3D20R209035D010 3LSQCDR1MW

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°	2810691	2810691	2810691
5°	2368982	2369881	2368688
10°	1443612	1436915	1440255
15°	508506	510663	526496
20°	159780	164233	160733
25°	59858	65464	61512
30°	23188	32872	24222
35°	8788	14633	9503
40°	4699	6250	4699
45°	1705	2971	2119
50°	938	1393	938
55°	1051	1051	1051
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: 2971 cd/sqm



TEST NUMBER: P1310633

CATALOG NUMBER: LDSQA3D20R209035D010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.9	50.4
10°-20°	888.3	39.5
20°-30°	174.4	7.8
30°-40°	39.1	1.7
40°-50°	8.9	0.4
50°-60°	2.8	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°	2195.7	97.6
0°-40°	2234.8	99.4
0°-60°	2246.5	99.9
0°-90°	2248.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2248.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16320	16320	16320	16320	16320	
5°	13703	13715	13708	13755	13701	1135
15°	2852	2864	2864	2927	2953	886
25°	315	336	344	339	324	166
35°	42	50	70	50	45	31
45°	7	10	12	10	9	7
55°	4	4	4	4	4	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	



TEST NUMBER: P1310633
 CATALOG NUMBER: LDSQA3D20R209035D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	16320.1	16320.1	16320.1	16320.1	16320.1
1°	16187.8	16153.0	16193.0	16161.7	16168.7
2°	15768.5	15749.3	15801.5	15768.5	15785.9
3°	15185.5	15161.2	15199.5	15201.2	15249.9
4°	14489.5	14442.5	14500.0	14501.7	14510.4
5°	13703.0	13715.2	13708.2	13755.2	13701.3
6°	12819.0	12859.1	12806.9	12833.0	12758.1
7°	11830.7	11780.2	11754.1	11762.8	11815.0
8°	10739.7	10704.9	10743.2	10689.2	10652.7
9°	9526.8	9465.9	9507.7	9455.5	9403.3
10°	8254.9	8227.0	8216.6	8157.4	8235.7
11°	6979.4	6895.9	6937.6	6908.1	6993.3
12°	5785.7	5792.7	5710.9	5737.0	5747.4
13°	4708.6	4597.2	4611.2	4682.5	4694.7
14°	3652.4	3668.1	3673.3	3723.7	3753.3
15°	2852.0	2864.1	2864.1	2926.8	2952.9
17.5°	1529.5	1529.5	1562.6	1569.5	1573.0
20°	871.8	877.0	896.1	894.4	877.0
22.5°	522.0	532.5	542.9	532.5	522.0
25°	315.0	335.8	344.5	339.3	323.7
27.5°	187.9	210.5	234.9	215.8	186.2
30°	116.6	128.8	165.3	132.2	121.8
32.5°	64.4	83.5	113.1	87.0	66.1
35°	41.8	50.5	69.6	50.5	45.2
37.5°	29.6	34.8	43.5	36.5	31.3
40°	20.9	24.4	27.8	26.1	20.9
42.5°	13.9	17.4	19.1	17.4	13.9
45°	7.0	10.4	12.2	10.4	8.7
47.5°	3.5	5.2	8.7	5.2	3.5
50°	3.5	3.5	5.2	3.5	3.5
52.5°	3.5	3.5	3.5	3.5	3.5
55°	3.5	3.5	3.5	3.5	3.5
57.5°	3.5	3.5	1.7	3.5	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



TEST NUMBER: P1310633
CATALOG NUMBER: LDSQA3D20R209035D010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)