

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: P1308397

Luminaire Tested: LDSQA3D20R209027D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308397
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: LDSQA3D20R209027D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

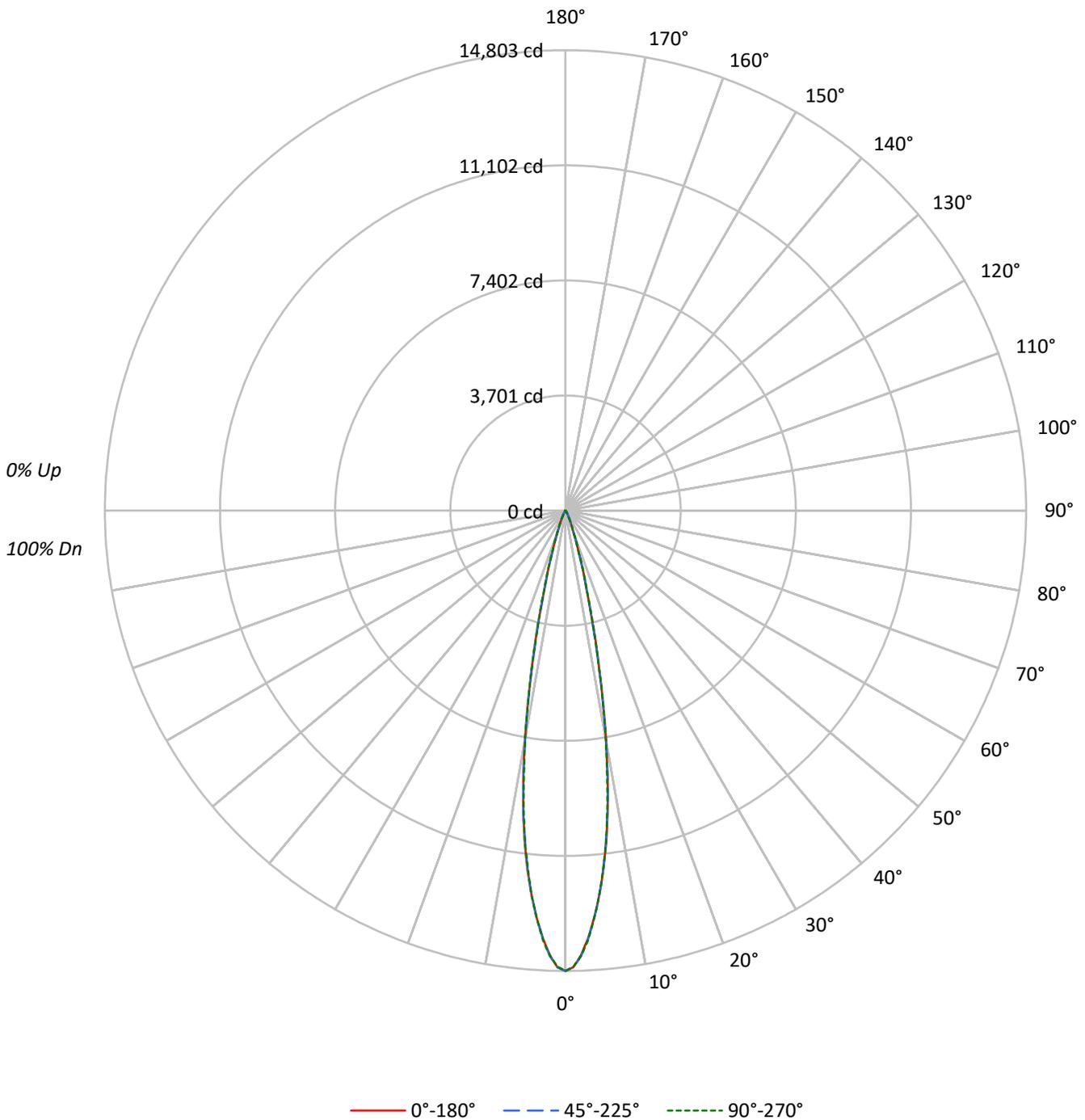
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2040.1 lumens
Efficiency: N/A
Efficacy: 70.8 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: P1308397
CATALOG NUMBER: LDSQA3D20R209027D010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1308397
 CATALOG NUMBER: LDSQA3D20R209027D010 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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	97	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	94	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	92	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	90	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	88	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	87	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	85	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	82	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2549481	2549481	2549481
5°	2148836	2149648	2148559
10°	1309445	1303377	1306419
15°	461239	463218	477571
20°	144934	148985	145796
25°	54291	59383	55792
30°	21040	29810	21975
35°	7968	13266	8620
40°	4249	5688	4249
45°	1534	2679	1924
50°	857	1259	857
55°	961	961	961
60°	551	551	551
65°	652	652	652
70°	806	806	806
75°	0	0	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2679 cd/sqm



TEST NUMBER: P1308397
 CATALOG NUMBER: LDSQA3D20R209027D010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1027.6	50.4
10°-20°	805.8	39.5
20°-30°	158.2	7.8
30°-40°	35.5	1.7
40°-50°	8.1	0.4
50°-60°	2.6	0.1
60°-70°	1.6	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°	1991.6	97.6
0°-40°	2027.1	99.4
0°-60°	2037.8	99.9
0°-90°	2040.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2040.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14803	14803	14803	14803	14803	
5°	12430	12441	12434	12477	12428	1030
15°	2587	2598	2598	2655	2678	804
25°	286	305	312	308	294	151
35°	38	46	63	46	41	28
45°	6	10	11	10	8	6
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	



TEST NUMBER: P1308397
 CATALOG NUMBER: LDSQA3D20R209027D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	14803.4	14803.4	14803.4	14803.4	14803.4
1°	14683.5	14651.9	14688.2	14659.8	14666.1
2°	14303.1	14285.7	14333.1	14303.1	14318.9
3°	13774.3	13752.2	13787.0	13788.5	13832.7
4°	13143.0	13100.4	13152.5	13154.0	13161.9
5°	12429.6	12440.6	12434.3	12476.9	12428.0
6°	11627.8	11664.1	11616.7	11640.4	11572.5
7°	10731.3	10685.5	10661.8	10669.7	10717.1
8°	9741.6	9710.1	9744.8	9695.9	9662.7
9°	8641.5	8586.3	8624.2	8576.8	8529.5
10°	7487.7	7462.5	7453.0	7399.3	7470.4
11°	6330.8	6255.0	6292.9	6266.1	6343.4
12°	5248.0	5254.4	5180.2	5203.9	5213.3
13°	4271.0	4170.0	4182.7	4247.4	4258.4
14°	3313.0	3327.2	3331.9	3377.7	3404.5
15°	2586.9	2598.0	2598.0	2654.8	2678.5
17.5°	1387.4	1387.4	1417.4	1423.7	1426.8
20°	790.8	795.5	812.9	811.3	795.5
22.5°	473.5	483.0	492.4	483.0	473.5
25°	285.7	304.6	312.5	307.8	293.6
27.5°	170.5	191.0	213.1	195.7	168.9
30°	105.8	116.8	149.9	120.0	110.5
32.5°	58.4	75.8	102.6	78.9	60.0
35°	37.9	45.8	63.1	45.8	41.0
37.5°	26.8	31.6	39.5	33.1	28.4
40°	18.9	22.1	25.3	23.7	18.9
42.5°	12.6	15.8	17.4	15.8	12.6
45°	6.3	9.5	11.0	9.5	7.9
47.5°	3.2	4.7	7.9	4.7	3.2
50°	3.2	3.2	4.7	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	1.6	3.2	1.6
60°	1.6	1.6	1.6	1.6	1.6
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	1.6
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: P1308397
CATALOG NUMBER: LDSQA3D20R209027D010 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)