

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: P1320399

Luminaire Tested: LDSQA3D20R309840D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309840D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

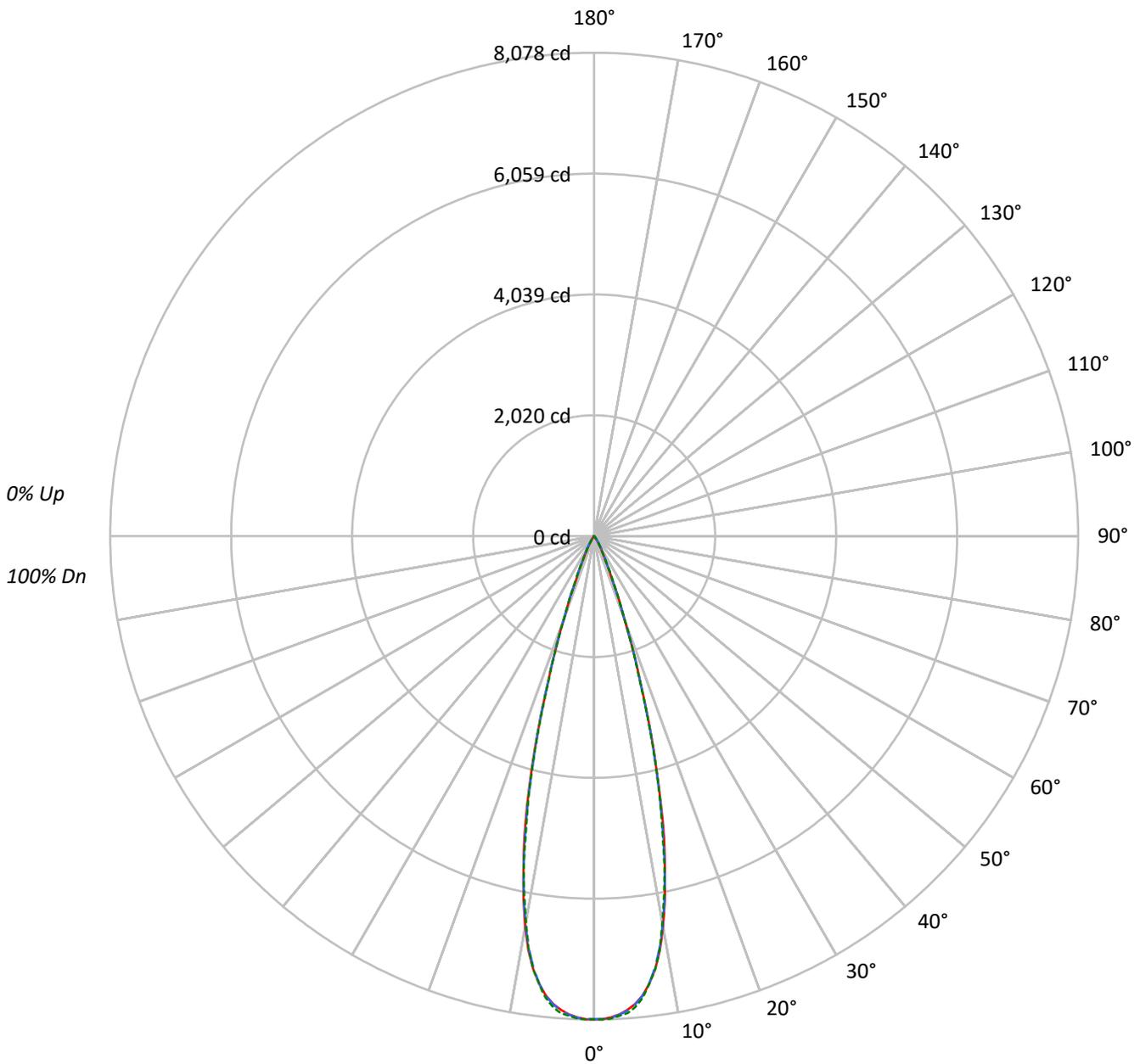
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2083.0 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1320399
CATALOG NUMBER: LDSQA3D20R309840D010 3LSQCDR1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1320399

CATALOG NUMBER: LDSQA3D20R309840D010 3LSQCDR1MMS

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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1390284	1390284	1390284
5°	1356386	1358063	1365635
10°	1158454	1153068	1146265
15°	714904	706524	709127
20°	270185	271669	271376
25°	83118	91118	86804
30°	33509	42517	34801
35°	9882	18060	10218
40°	4002	7284	4002
45°	779	2363	779
50°	0	429	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2363 cd/sqm



TEST NUMBER: P1320399

CATALOG NUMBER: LDSQA3D20R309840D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	712.0	34.2
10°-20°	1054.2	50.6
20°-30°	261.5	12.6
30°-40°	49.1	2.4
40°-50°	6.2	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	2027.7	97.3
0°-40°	2076.8	99.7
0°-60°	2083.0	100.0
0°-90°	2083.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8073	8073	8073	8073	8073	
5°	7846	7843	7856	7868	7899	713
15°	4010	3971	3963	3993	3977	1059
25°	437	467	480	478	457	252
35°	47	62	86	63	49	39
45°	3	5	10	6	3	4
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1320399

CATALOG NUMBER: LDSQA3D20R309840D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8072.6	8072.6	8072.6	8072.6	8072.6
1°	8075.8	8069.4	8069.4	8059.6	8077.5
2°	8046.7	8040.2	8051.5	8043.4	8066.1
3°	8002.9	7994.8	8011.0	8015.9	8027.2
4°	7938.1	7931.7	7949.5	7959.2	7990.0
5°	7845.8	7842.6	7855.5	7868.5	7899.3
6°	7719.4	7714.6	7722.7	7738.9	7758.3
7°	7536.4	7526.7	7533.1	7536.4	7541.2
8°	7304.7	7290.1	7282.0	7299.9	7309.6
9°	7006.6	6990.4	6972.6	6966.1	6988.8
10°	6624.3	6600.0	6593.5	6577.3	6554.6
11°	6180.4	6161.0	6156.1	6126.9	6114.0
12°	5671.7	5662.0	5673.3	5655.5	5649.0
13°	5184.1	5122.5	5114.4	5080.4	5062.6
14°	4607.4	4550.7	4549.0	4531.2	4555.5
15°	4009.6	3970.7	3962.6	3993.4	3977.2
17.5°	2556.4	2582.3	2575.8	2559.6	2532.1
20°	1474.2	1456.4	1482.3	1488.8	1480.7
22.5°	785.7	792.2	797.1	816.5	829.5
25°	437.4	466.6	479.5	477.9	456.8
27.5°	272.2	290.0	314.3	298.1	280.3
30°	168.5	183.1	213.8	184.7	175.0
32.5°	90.7	115.0	137.7	115.0	94.0
35°	47.0	61.6	85.9	63.2	48.6
37.5°	30.8	35.6	55.1	35.6	30.8
40°	17.8	22.7	32.4	22.7	17.8
42.5°	8.1	13.0	17.8	13.0	8.1
45°	3.2	4.9	9.7	6.5	3.2
47.5°	0.0	1.6	4.9	1.6	0.0
50°	0.0	0.0	1.6	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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: P1320399
CATALOG NUMBER: LDSQA3D20R309840D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)