

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: P1311751

Luminaire Tested: LDSQA3D20R209040D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311751
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: LDSQA3D20R209040D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

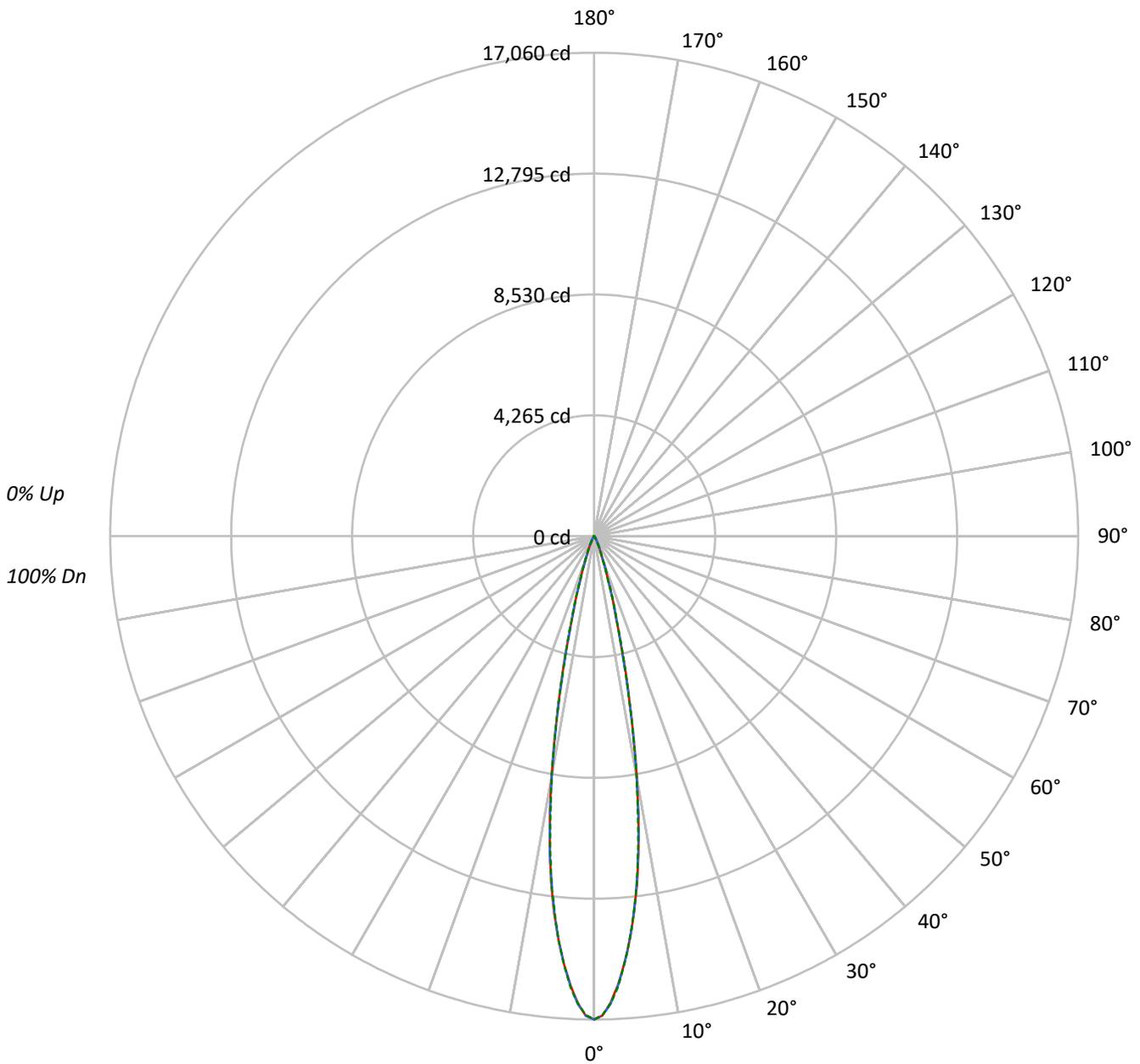
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2351.0 lumens
Efficiency: N/A
Efficacy: 81.6 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: P1311751
CATALOG NUMBER: LDSQA3D20R209040D010 3LSQCDR1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° ···· 90°-270°



TEST NUMBER: P1311751
 CATALOG NUMBER: LDSQA3D20R209040D010 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	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°	2938153	2938153	2938153
5°	2476427	2477360	2476116
10°	1509070	1502075	1505572
15°	531560	533824	550370
20°	167019	171692	168027
25°	62557	68448	64286
30°	24242	34364	25316
35°	9188	15306	9945
40°	4901	6542	4901
45°	1778	3093	2216
50°	965	1474	965
55°	1081	1081	1081
60°	620	620	620
65°	734	734	734
70°	906	906	906
75°	0	0	1198
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3093 cd/sqm



TEST NUMBER: P1311751
 CATALOG NUMBER: LDSQA3D20R209040D010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1184.3	50.4
10°-20°	928.6	39.5
20°-30°	182.4	7.8
30°-40°	40.9	1.7
40°-50°	9.3	0.4
50°-60°	2.9	0.1
60°-70°	1.8	0.1
70°-80°	0.8	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°	2295.3	97.6
0°-40°	2336.2	99.4
0°-60°	2348.4	99.9
0°-90°	2351.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2351.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17060	17060	17060	17060	17060	
5°	14324	14337	14330	14379	14323	1187
15°	2981	2994	2994	3060	3087	927
25°	329	351	360	355	338	174
35°	44	53	73	53	47	32
45°	7	11	13	11	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: P1311751
 CATALOG NUMBER: LDSQA3D20R209040D010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17060.2	17060.2	17060.2	17060.2	17060.2
1°	16922.0	16885.6	16927.4	16894.7	16902.0
2°	16483.6	16463.6	16518.2	16483.6	16501.8
3°	15874.3	15848.8	15888.8	15890.6	15941.6
4°	15146.7	15097.5	15157.6	15159.4	15168.5
5°	14324.5	14337.2	14329.9	14379.0	14322.7
6°	13400.4	13442.3	13387.7	13415.0	13336.8
7°	12367.3	12314.5	12287.2	12296.3	12350.9
8°	11226.8	11190.4	11230.4	11174.0	11135.8
9°	9958.9	9895.3	9938.9	9884.3	9829.8
10°	8629.2	8600.1	8589.2	8527.4	8609.2
11°	7295.9	7208.6	7252.3	7221.4	7310.5
12°	6048.1	6055.4	5969.9	5997.2	6008.1
13°	4922.2	4805.7	4820.3	4894.9	4907.6
14°	3818.0	3834.4	3839.9	3892.6	3923.5
15°	2981.3	2994.0	2994.0	3059.5	3086.8
17.5°	1598.9	1598.9	1633.4	1640.7	1644.4
20°	911.3	916.8	936.8	935.0	916.8
22.5°	545.7	556.6	567.5	556.6	545.7
25°	329.2	351.1	360.2	354.7	338.3
27.5°	196.5	220.1	245.6	225.6	194.6
30°	121.9	134.6	172.8	138.2	127.3
32.5°	67.3	87.3	118.2	90.9	69.1
35°	43.7	52.8	72.8	52.8	47.3
37.5°	30.9	36.4	45.5	38.2	32.7
40°	21.8	25.5	29.1	27.3	21.8
42.5°	14.6	18.2	20.0	18.2	14.6
45°	7.3	10.9	12.7	10.9	9.1
47.5°	3.6	5.5	9.1	5.5	3.6
50°	3.6	3.6	5.5	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	1.8	3.6	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	0.0	0.0	0.0	0.0	1.8
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: P1311751
CATALOG NUMBER: LDSQA3D20R209040D010 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)