

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: P1315003

Luminaire Tested: LDSQA3D20R509730D010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315003
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R509730D010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

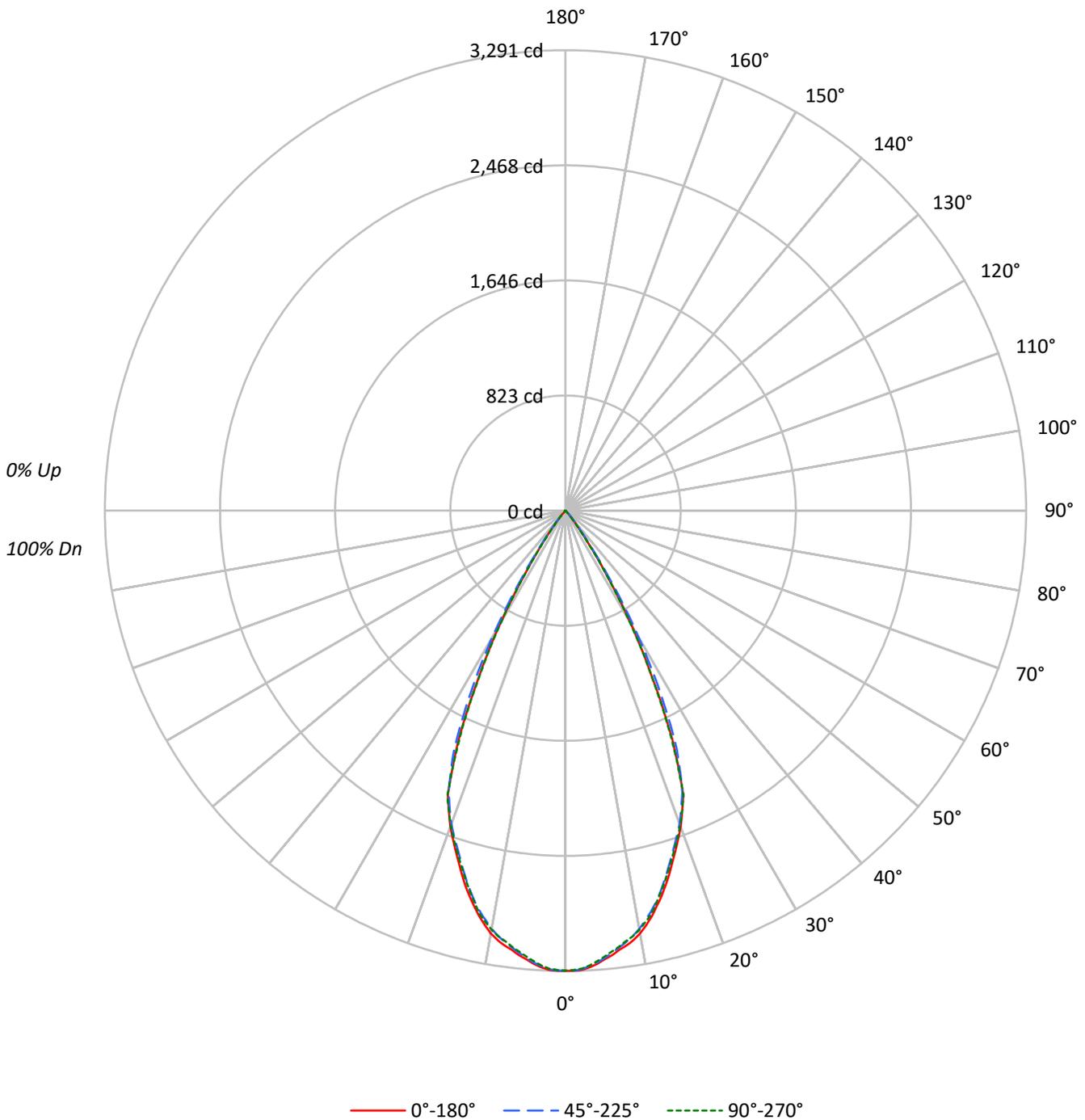
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2118.0 lumens
Efficiency: N/A
Efficacy: 73.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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 (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: P1315003
CATALOG NUMBER: LDSQA3D20R509730D010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1315003

CATALOG NUMBER: LDSQA3D20R509730D010 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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	566457	566457	566457
5°	556571	554998	553425
10°	536775	530952	532001
15°	493778	487574	488929
20°	440924	436764	439256
25°	343169	357554	339426
30°	185900	207576	182578
35°	58616	69759	57334
40°	12950	18053	12253
45°	365	5529	365
50°	0	804	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: 5529 cd/sqm



TEST NUMBER: P1315003

CATALOG NUMBER: LDSQA3D20R509730D010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.3	14.2
10°-20°	765.6	36.1
20°-30°	806.4	38.1
30°-40°	230.3	10.9
40°-50°	14.3	0.7
50°-60°	0.1	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°	1873.3	88.4
0°-40°	2103.7	99.3
0°-60°	2118.0	100.0
0°-90°	2118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3289	3289	3289	3289	3289	
5°	3219	3216	3210	3207	3201	303
15°	2769	2751	2735	2739	2742	771
25°	1806	1872	1882	1860	1786	790
35°	279	298	332	282	273	217
45°	2	8	23	8	2	9
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: P1315003
 CATALOG NUMBER: LDSQA3D20R509730D010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3289.1	3289.1	3289.1	3289.1	3289.1
1°	3290.6	3292.1	3289.1	3292.1	3284.5
2°	3286.0	3283.0	3280.0	3281.5	3276.9
3°	3269.4	3267.9	3261.8	3263.3	3257.3
4°	3248.2	3243.6	3239.1	3236.0	3230.0
5°	3219.4	3216.3	3210.3	3207.3	3201.2
6°	3195.1	3189.1	3178.5	3175.4	3169.4
7°	3163.3	3160.3	3146.7	3143.6	3140.6
8°	3139.1	3130.0	3113.3	3114.8	3107.3
9°	3107.3	3095.1	3078.5	3078.5	3080.0
10°	3069.4	3051.2	3036.1	3040.6	3042.1
11°	3019.4	3007.3	2984.6	2995.2	2995.2
12°	2964.9	2949.7	2933.0	2942.1	2948.2
13°	2901.2	2889.1	2874.0	2883.0	2880.0
14°	2839.1	2816.4	2805.8	2817.9	2813.4
15°	2769.4	2751.2	2734.6	2739.1	2742.2
17.5°	2583.1	2563.4	2551.3	2552.8	2566.4
20°	2405.8	2398.2	2383.1	2389.2	2396.7
22.5°	2196.8	2199.8	2181.6	2186.1	2204.3
25°	1805.9	1872.5	1881.6	1860.4	1786.2
27.5°	1337.7	1437.7	1468.0	1419.6	1328.7
30°	934.8	962.0	1043.8	951.4	918.1
32.5°	548.4	589.3	633.3	569.6	546.9
35°	278.8	298.5	331.8	281.8	272.7
37.5°	128.8	137.9	151.5	128.8	121.2
40°	57.6	68.2	80.3	65.1	54.5
42.5°	18.2	31.8	42.4	28.8	16.7
45°	1.5	7.6	22.7	7.6	1.5
47.5°	0.0	1.5	9.1	1.5	0.0
50°	0.0	0.0	3.0	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: P1315003
CATALOG NUMBER: LDSQA3D20R509730D010 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)