

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: P1311837

Luminaire Tested: LDSQA3D20R509040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311837  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R509040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

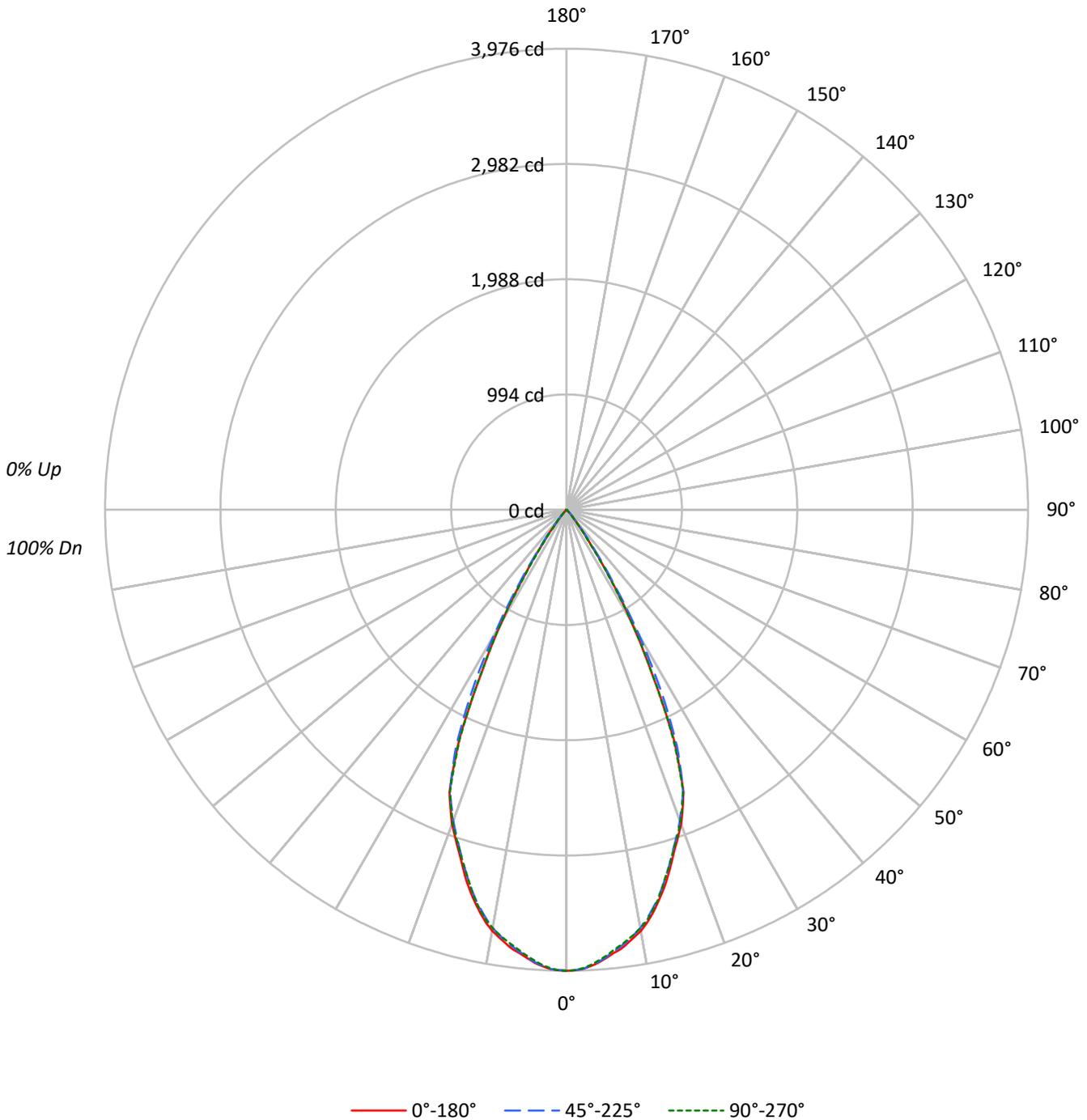
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2562.0 lumens  
Efficiency: N/A  
Efficacy: 89.0 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 (A<sub>in</sub>): 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: P1311837  
CATALOG NUMBER: LDSQA3D20R509040D010 3LSQCDR1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1311837  
 CATALOG NUMBER: LDSQA3D20R509040D010 3LSQCDR1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	684671	684671	684671
5°	671260	669998	668114
10°	644990	640531	640846
15°	592092	586583	585941
20°	528970	523288	525964
25°	415740	427845	412282
30°	222431	249179	223147
35°	72640	84876	68435
40°	17986	22482	17176
45°	2216	7964	2216
50°	1474	2438	1474
55°	1651	1651	1651
60°	1240	1240	1240
65°	1467	1467	1467
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7964 cd/sqm



TEST NUMBER: P1311837

CATALOG NUMBER: LDSQA3D20R509040D010 3LSQCDR1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.5	14.2
10°-20°	919.4	35.9
20°-30°	967.0	37.7
30°-40°	278.7	10.9
40°-50°	22.6	0.9
50°-60°	4.9	0.2
60°-70°	3.5	0.1
70°-80°	1.9	0.1
80°-90°	0.5	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°	2249.9	87.8
0°-40°	2528.6	98.7
0°-60°	2556.1	99.8
0°-90°	2562.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2562.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3976	3976	3976	3976	3976	
5°	3883	3881	3876	3879	3865	365
15°	3321	3299	3290	3290	3286	925
25°	2188	2242	2252	2226	2170	948
35°	346	358	404	346	326	267
45°	9	18	33	18	9	17
55°	6	6	6	6	6	5
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P1311837

CATALOG NUMBER: LDSQA3D20R509040D010 3LSQCDR1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3975.5	3975.5	3975.5	3975.5	3975.5
1°	3973.7	3977.3	3970.1	3982.8	3971.9
2°	3964.6	3966.4	3962.8	3971.9	3957.3
3°	3942.8	3946.4	3939.1	3946.4	3933.7
4°	3917.3	3917.3	3910.1	3915.5	3899.1
5°	3882.8	3881.0	3875.5	3879.1	3864.6
6°	3846.4	3844.6	3835.5	3835.5	3824.6
7°	3819.1	3806.4	3799.1	3797.3	3786.4
8°	3775.5	3771.8	3757.3	3757.3	3750.0
9°	3731.8	3728.2	3711.8	3715.5	3710.0
10°	3688.2	3675.4	3662.7	3664.5	3664.5
11°	3630.0	3619.1	3600.9	3608.2	3611.8
12°	3560.9	3548.1	3531.8	3546.3	3544.5
13°	3484.5	3473.6	3460.8	3471.8	3468.1
14°	3404.5	3388.1	3377.2	3384.5	3380.8
15°	3320.8	3299.0	3289.9	3289.9	3286.3
17.5°	3086.2	3073.5	3064.4	3058.9	3071.7
20°	2886.2	2875.3	2855.2	2860.7	2869.8
22.5°	2635.2	2633.4	2622.5	2613.4	2624.3
25°	2187.8	2242.4	2251.5	2226.0	2169.6
27.5°	1589.5	1716.8	1762.3	1702.2	1598.6
30°	1118.5	1178.5	1253.0	1134.8	1122.1
32.5°	674.7	691.1	760.2	678.3	660.2
35°	345.5	358.3	403.7	345.5	325.5
37.5°	161.9	169.1	187.3	161.9	150.9
40°	80.0	89.1	100.0	83.7	76.4
42.5°	34.6	45.5	58.2	43.6	30.9
45°	9.1	18.2	32.7	18.2	9.1
47.5°	5.5	7.3	18.2	7.3	5.5
50°	5.5	5.5	9.1	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	3.6	5.5	3.6	5.5	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	1.8	0.0	1.8	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: P1311837  
CATALOG NUMBER: LDSQA3D20R509040D010 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)