

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: P1317333

Luminaire Tested: LDSQA3D09R309827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317333
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: LDSQA3D09R309827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

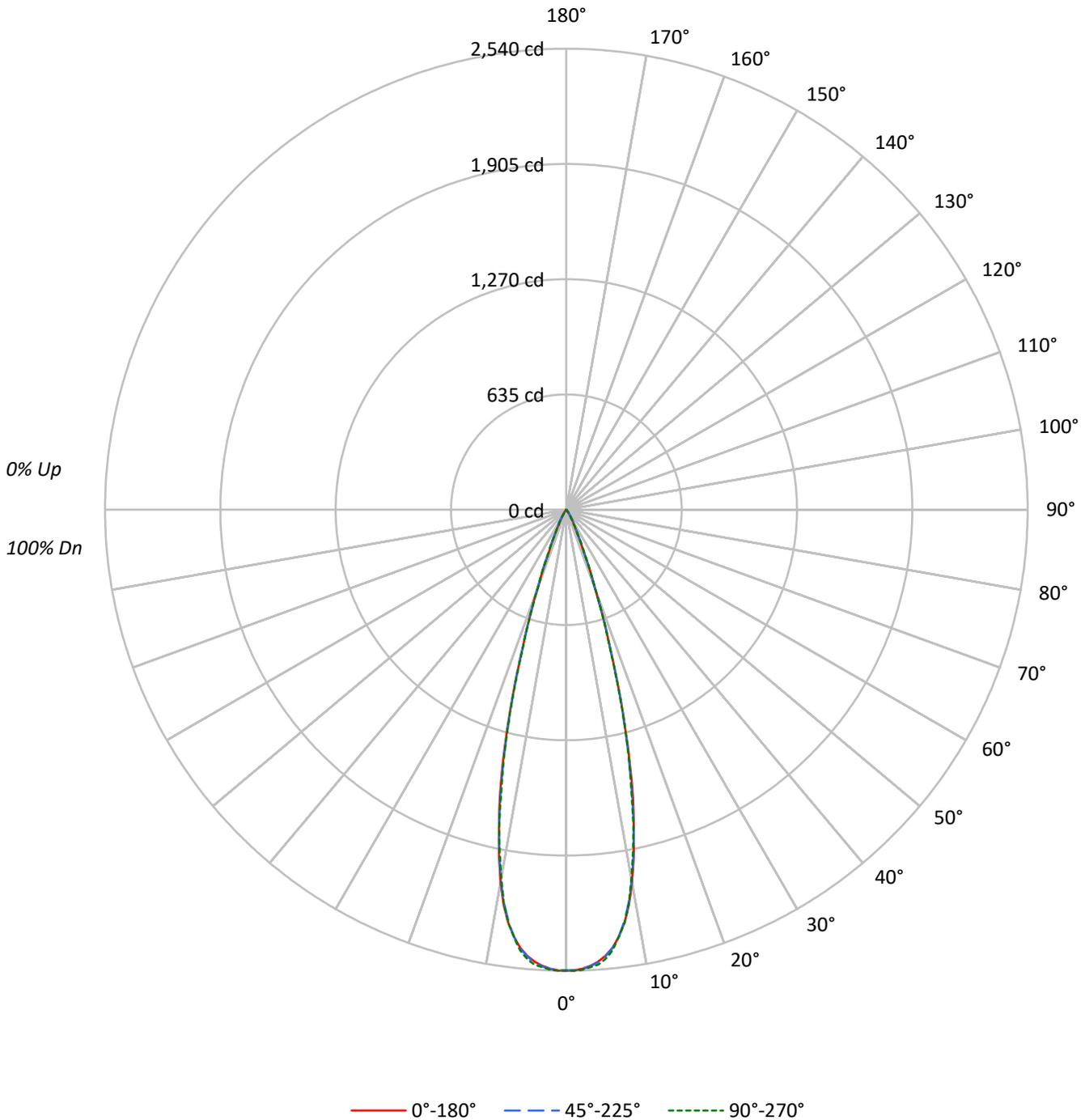
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 59.5 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): 11
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: P1317333
CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1317333

CATALOG NUMBER: LDSQA3D09R309827DE010 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	100	100	100	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	95	94	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	91	89	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	87	84	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	80	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	437170	437170	437170
5°	426513	427049	429418
10°	364274	362578	360444
15°	224798	222159	222979
20°	84967	85425	85333
25°	26129	28656	27307
30°	10540	13364	10938
35°	3112	5677	3217
40°	1259	2293	1259
45°	244	755	244
50°	0	134	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: 755 cd/sqm



TEST NUMBER: P1317333

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	34.2
10°-20°	331.5	50.6
20°-30°	82.2	12.6
30°-40°	15.4	2.4
40°-50°	1.9	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°	637.6	97.3
0°-40°	653.0	99.7
0°-60°	655.0	100.0
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2538	2538	2538	2538	2538	
5°	2467	2466	2470	2474	2484	224
15°	1261	1249	1246	1256	1251	333
25°	138	147	151	150	144	79
35°	15	19	27	20	15	12
45°	1	2	3	2	1	1
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: P1317333

CATALOG NUMBER: LDSQA3D09R309827DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2538.4	2538.4	2538.4	2538.4	2538.4
1°	2539.5	2537.4	2537.4	2534.4	2540.0
2°	2530.3	2528.2	2531.8	2529.3	2536.4
3°	2516.5	2514.0	2519.1	2520.6	2524.2
4°	2496.2	2494.1	2499.7	2502.8	2512.5
5°	2467.1	2466.1	2470.2	2474.2	2483.9
6°	2427.4	2425.9	2428.4	2433.5	2439.6
7°	2369.8	2366.8	2368.8	2369.8	2371.3
8°	2297.0	2292.4	2289.8	2295.4	2298.5
9°	2203.2	2198.1	2192.5	2190.5	2197.6
10°	2083.0	2075.4	2073.3	2068.2	2061.1
11°	1943.4	1937.3	1935.8	1926.6	1922.5
12°	1783.5	1780.4	1784.0	1778.4	1776.3
13°	1630.1	1610.8	1608.2	1597.5	1591.9
14°	1448.8	1431.0	1430.4	1424.8	1432.5
15°	1260.8	1248.6	1246.0	1255.7	1250.6
17.5°	803.9	812.0	810.0	804.9	796.2
20°	463.6	458.0	466.1	468.2	465.6
22.5°	247.1	249.1	250.6	256.7	260.8
25°	137.5	146.7	150.8	150.3	143.7
27.5°	85.6	91.2	98.8	93.7	88.1
30°	53.0	57.6	67.2	58.1	55.0
32.5°	28.5	36.2	43.3	36.2	29.5
35°	14.8	19.4	27.0	19.9	15.3
37.5°	9.7	11.2	17.3	11.2	9.7
40°	5.6	7.1	10.2	7.1	5.6
42.5°	2.5	4.1	5.6	4.1	2.5
45°	1.0	1.5	3.1	2.0	1.0
47.5°	0.0	0.5	1.5	0.5	0.0
50°	0.0	0.0	0.5	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: P1317333
CATALOG NUMBER: LDSQA3D09R309827DE010 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)