

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: P1319960

Luminaire Tested: LDSQA3D09R309840DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319960
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: LDSQA3D09R309840DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

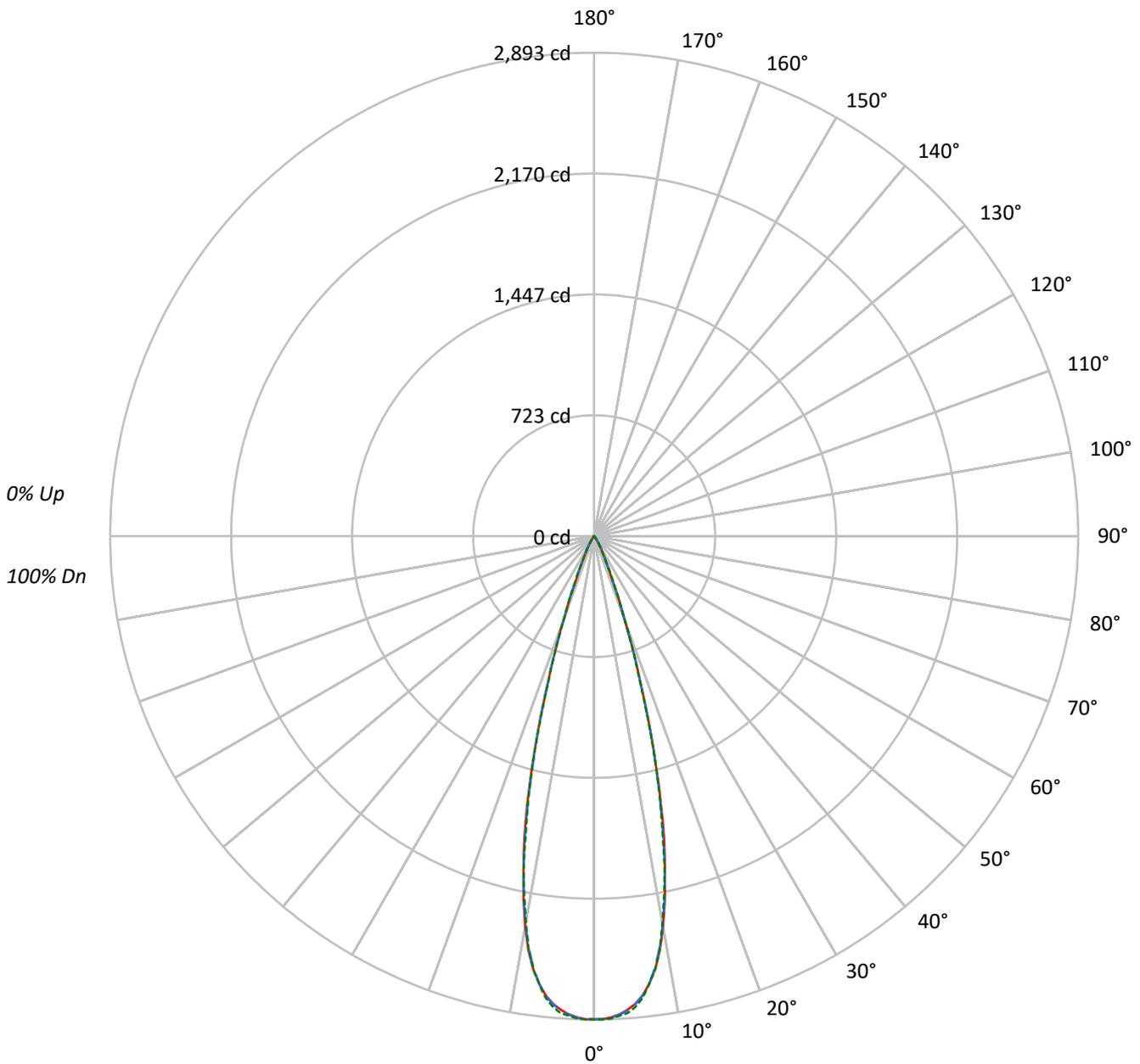
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 746.0 lumens
Efficiency: N/A
Efficacy: 67.8 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: P1319960
CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MB

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	497913	497913	497913
5°	485777	486382	489079
10°	414884	412960	410530
15°	256036	253041	253968
20°	96769	97301	97191
25°	29777	32628	31088
30°	11992	15233	12469
35°	3532	6476	3658
40°	1439	2608	1439
45°	292	852	292
50°	0	161	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: 852 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.0	34.2
10°-20°	377.5	50.6
20°-30°	93.7	12.6
30°-40°	17.6	2.4
40°-50°	2.2	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°	726.2	97.3
0°-40°	743.8	99.7
0°-60°	746.0	100.0
0°-90°	746.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	746.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2810	2809	2813	2818	2829	255
15°	1436	1422	1419	1430	1424	379
25°	157	167	172	171	164	90
35°	17	22	31	23	17	14
45°	1	2	4	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



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 CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.1	2891.1	2891.1	2891.1	2891.1
1°	2892.3	2889.9	2889.9	2886.5	2892.8
2°	2881.8	2879.5	2883.6	2880.7	2888.8
3°	2866.2	2863.3	2869.1	2870.8	2874.9
4°	2842.9	2840.6	2847.0	2850.5	2861.5
5°	2809.9	2808.7	2813.4	2818.0	2829.0
6°	2764.6	2762.9	2765.8	2771.6	2778.5
7°	2699.1	2695.6	2697.9	2699.1	2700.8
8°	2616.1	2610.9	2608.0	2614.3	2617.8
9°	2509.3	2503.5	2497.1	2494.8	2503.0
10°	2372.4	2363.7	2361.4	2355.6	2347.5
11°	2213.4	2206.5	2204.7	2194.3	2189.6
12°	2031.3	2027.8	2031.8	2025.5	2023.1
13°	1856.6	1834.6	1831.7	1819.5	1813.1
14°	1650.1	1629.8	1629.2	1622.8	1631.5
15°	1436.0	1422.1	1419.2	1430.2	1424.4
17.5°	915.5	924.8	922.5	916.7	906.8
20°	528.0	521.6	530.9	533.2	530.3
22.5°	281.4	283.7	285.5	292.4	297.1
25°	156.7	167.1	171.7	171.2	163.6
27.5°	97.5	103.9	112.6	106.8	100.4
30°	60.3	65.6	76.6	66.1	62.7
32.5°	32.5	41.2	49.3	41.2	33.7
35°	16.8	22.0	30.8	22.6	17.4
37.5°	11.0	12.8	19.7	12.8	11.0
40°	6.4	8.1	11.6	8.1	6.4
42.5°	2.9	4.6	6.4	4.6	2.9
45°	1.2	1.7	3.5	2.3	1.2
47.5°	0.0	0.6	1.7	0.6	0.0
50°	0.0	0.0	0.6	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: P1319960
CATALOG NUMBER: LDSQA3D09R309840DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)