

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: P1314481

Luminaire Tested: LDSQA3D09R309730DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309730DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

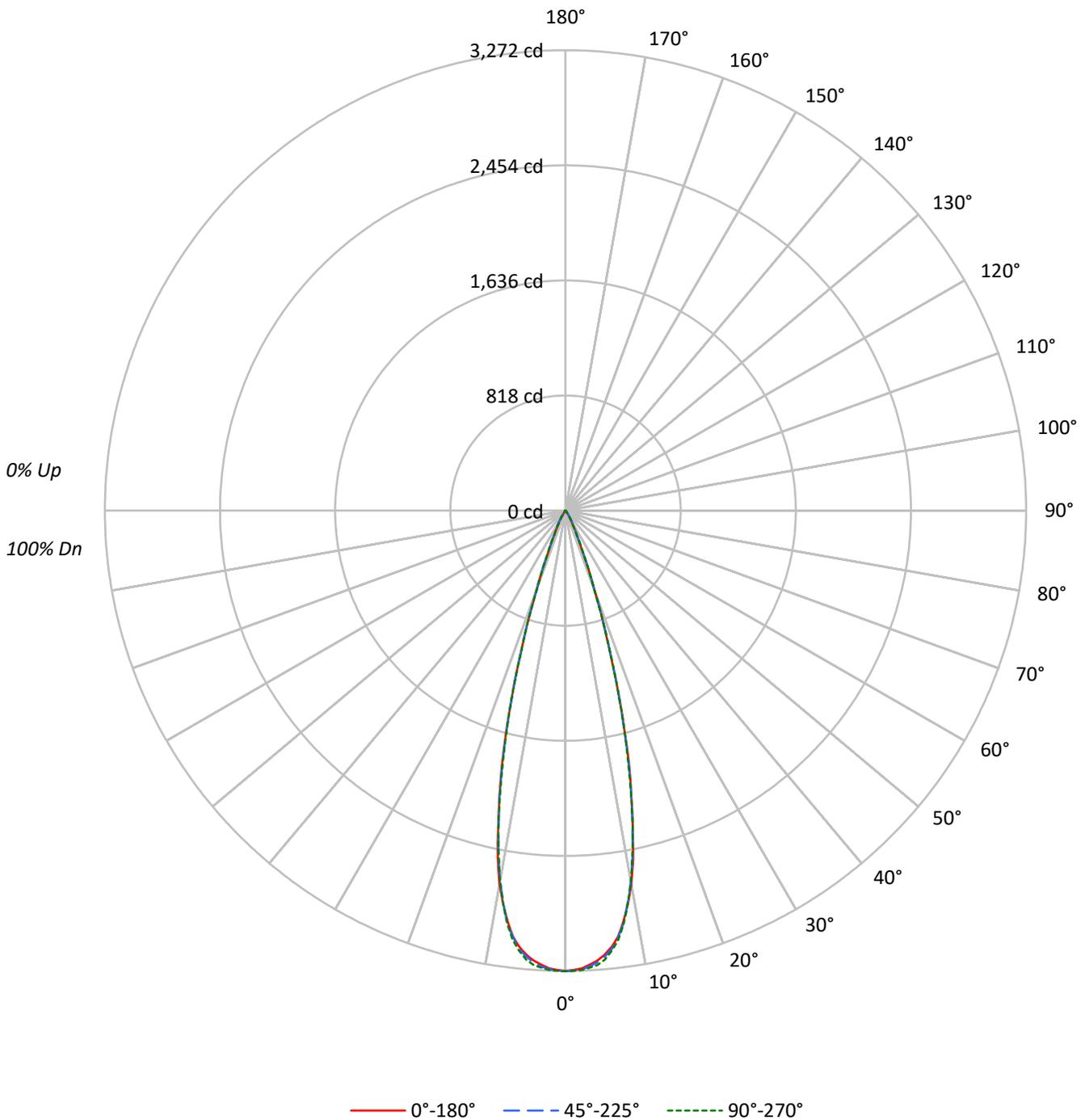
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 851.0 lumens
Efficiency: N/A
Efficacy: 76.7 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): 11.1
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: P1314481
CATALOG NUMBER: LDSQA3D09R309730DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314481

CATALOG NUMBER: LDSQA3D09R309730DE010 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	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	92	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	563530	563530	563530
5°	548083	550469	553875
10°	471300	467278	467750
15°	289592	287256	287488
20°	110222	110460	108407
25°	35060	36922	35174
30°	14100	17500	14497
35°	4562	7737	4562
40°	2068	3395	2068
45°	804	1437	804
50°	348	697	348
55°	390	390	390
60°	448	448	448
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1437 cd/sqm



TEST NUMBER: P1314481

CATALOG NUMBER: LDSQA3D09R309730DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.6	33.9
10°-20°	428.2	50.3
20°-30°	106.4	12.5
30°-40°	21.2	2.5
40°-50°	3.9	0.5
50°-60°	1.2	0.1
60°-70°	0.9	0.1
70°-80°	0.6	0.1
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°	823.2	96.7
0°-40°	844.4	99.2
0°-60°	849.5	99.8
0°-90°	851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3272	3272	3272	3272	3272	
5°	3170	3181	3184	3189	3204	288
15°	1624	1628	1611	1616	1612	430
25°	184	188	194	192	185	103
35°	22	28	37	28	22	18
45°	3	4	6	5	3	3
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1314481

CATALOG NUMBER: LDSQA3D09R309730DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3272.1	3272.1	3272.1	3272.1	3272.1
1°	3264.9	3268.8	3271.4	3271.4	3271.4
2°	3255.7	3258.3	3262.2	3262.9	3268.1
3°	3234.0	3239.9	3246.5	3250.4	3253.0
4°	3207.7	3215.6	3219.6	3229.4	3237.9
5°	3170.3	3180.8	3184.1	3188.7	3203.8
6°	3119.8	3127.6	3134.2	3136.2	3145.4
7°	3052.8	3056.7	3055.4	3058.7	3075.1
8°	2951.0	2952.4	2963.5	2956.3	2967.5
9°	2830.2	2825.0	2822.4	2827.6	2828.3
10°	2695.0	2677.3	2672.0	2667.4	2674.7
11°	2519.7	2496.7	2498.7	2497.4	2486.9
12°	2301.8	2299.1	2282.1	2285.3	2301.1
13°	2079.2	2083.8	2080.5	2084.4	2066.7
14°	1870.4	1848.1	1854.0	1831.7	1840.2
15°	1624.2	1627.5	1611.1	1616.3	1612.4
17.5°	1039.9	1047.1	1041.9	1037.3	1044.5
20°	601.4	600.7	602.7	596.8	591.5
22.5°	316.4	321.0	326.9	327.6	331.5
25°	184.5	188.4	194.3	191.7	185.1
27.5°	112.9	120.1	129.3	122.8	114.9
30°	70.9	76.8	88.0	77.5	72.9
32.5°	40.0	48.6	57.8	48.6	40.0
35°	21.7	28.2	36.8	27.6	21.7
37.5°	14.4	16.4	24.3	16.4	14.4
40°	9.2	11.2	15.1	11.2	9.2
42.5°	5.3	7.2	8.5	7.2	5.3
45°	3.3	3.9	5.9	4.6	3.3
47.5°	1.3	2.0	3.9	2.0	2.0
50°	1.3	1.3	2.6	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.7	0.7	0.7	0.7	0.7
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: P1314481
CATALOG NUMBER: LDSQA3D09R309730DE010 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)