

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: P1307960

Luminaire Tested: LDSQA3D09R309027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307960
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: LDSQA3D09R309027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

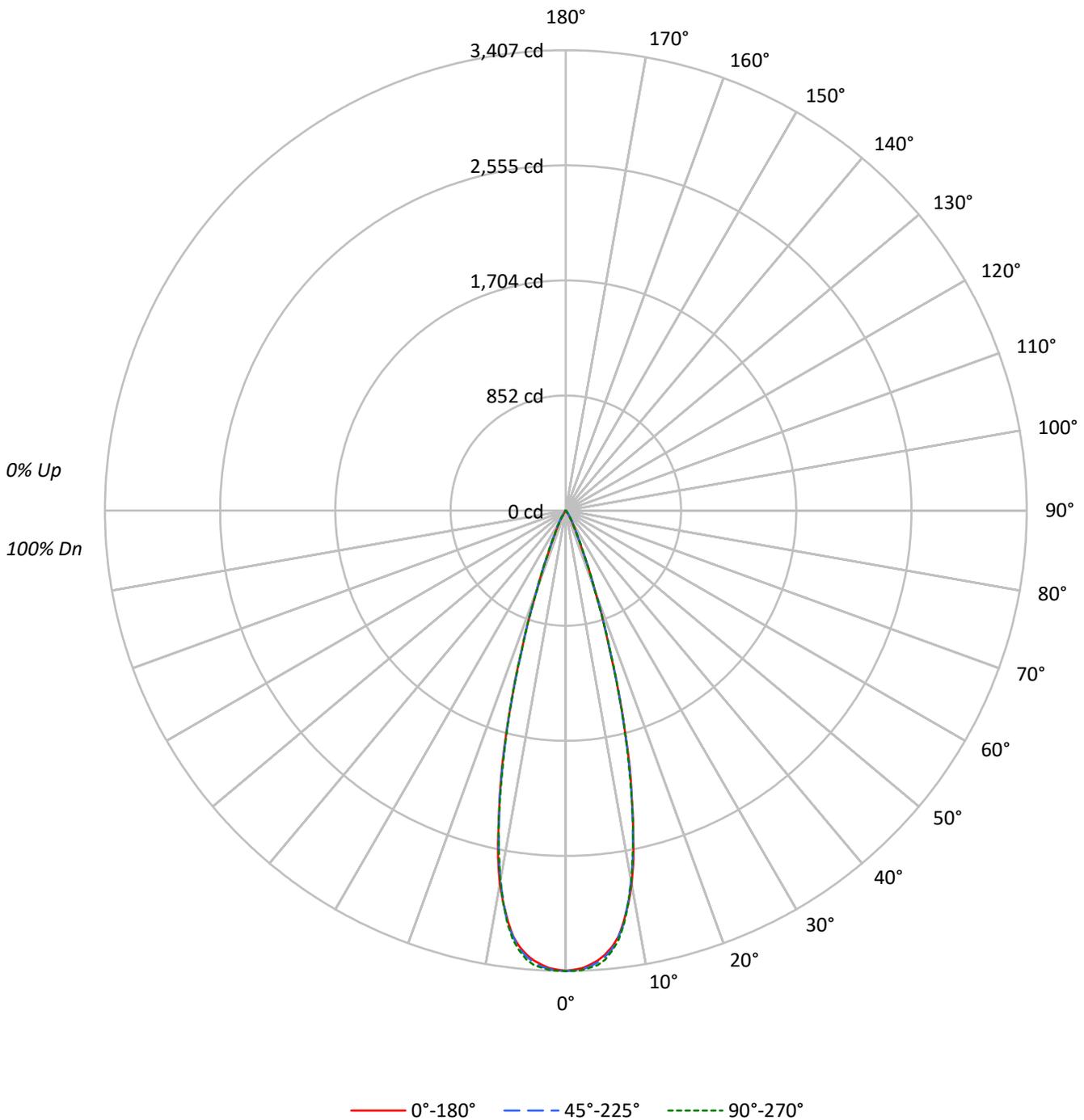
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 886.1 lumens
Efficiency: N/A
Efficacy: 79.8 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): 11.1
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: P1307960
CATALOG NUMBER: LDSQA3D09R309027DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307960

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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	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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	95	93	92	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°	586711	586711	586711
5°	570627	573116	576660
10°	490677	486497	486987
15°	301502	299077	299309
20°	114749	115005	112879
25°	36504	38442	36637
30°	14676	18216	15094
35°	4752	8052	4752
40°	2158	3530	2158
45°	828	1510	828
50°	375	723	375
55°	420	420	420
60°	482	482	482
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: 1510 cd/sqm



TEST NUMBER: P1307960

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.5	33.9
10°-20°	445.8	50.3
20°-30°	110.8	12.5
30°-40°	22.1	2.5
40°-50°	4.0	0.5
50°-60°	1.3	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°	857.0	96.7
0°-40°	879.2	99.2
0°-60°	884.5	99.8
0°-90°	886.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	886.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3407	3407	3407	3407	3407	
5°	3301	3312	3315	3320	3336	300
15°	1691	1694	1677	1683	1679	448
25°	192	196	202	200	193	108
35°	23	29	38	29	23	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



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CATALOG NUMBER: LDSQA3D09R309027DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3406.7	3406.7	3406.7	3406.7	3406.7
1°	3399.1	3403.2	3406.0	3406.0	3406.0
2°	3389.6	3392.3	3396.4	3397.1	3402.6
3°	3367.0	3373.2	3380.0	3384.1	3386.8
4°	3339.7	3347.9	3352.0	3362.2	3371.1
5°	3300.7	3311.6	3315.1	3319.9	3335.6
6°	3248.1	3256.3	3263.1	3265.2	3274.7
7°	3178.4	3182.5	3181.1	3184.5	3201.6
8°	3072.4	3073.8	3085.4	3077.9	3089.5
9°	2946.6	2941.2	2938.4	2943.9	2944.6
10°	2805.8	2787.4	2781.9	2777.1	2784.7
11°	2623.3	2599.4	2601.5	2600.1	2589.2
12°	2396.4	2393.7	2375.9	2379.3	2395.7
13°	2164.7	2169.5	2166.1	2170.2	2151.7
14°	1947.3	1924.1	1930.3	1907.0	1915.9
15°	1691.0	1694.4	1677.4	1682.8	1678.7
17.5°	1082.7	1090.2	1084.7	1080.0	1087.5
20°	626.1	625.4	627.5	621.3	615.9
22.5°	329.5	334.2	340.4	341.1	345.2
25°	192.1	196.2	202.3	199.6	192.8
27.5°	117.6	125.1	134.7	127.8	119.6
30°	73.8	80.0	91.6	80.7	75.9
32.5°	41.7	50.6	60.1	50.6	41.7
35°	22.6	29.4	38.3	28.7	22.6
37.5°	15.0	17.1	25.3	17.1	15.0
40°	9.6	11.6	15.7	11.6	9.6
42.5°	5.5	7.5	8.9	7.5	5.5
45°	3.4	4.1	6.2	4.8	3.4
47.5°	1.4	2.1	4.1	2.1	2.1
50°	1.4	1.4	2.7	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
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: P1307960
CATALOG NUMBER: LDSQA3D09R309027DE010 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)