

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: P1312629

Luminaire Tested: LDSQA3D13R609050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312629
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

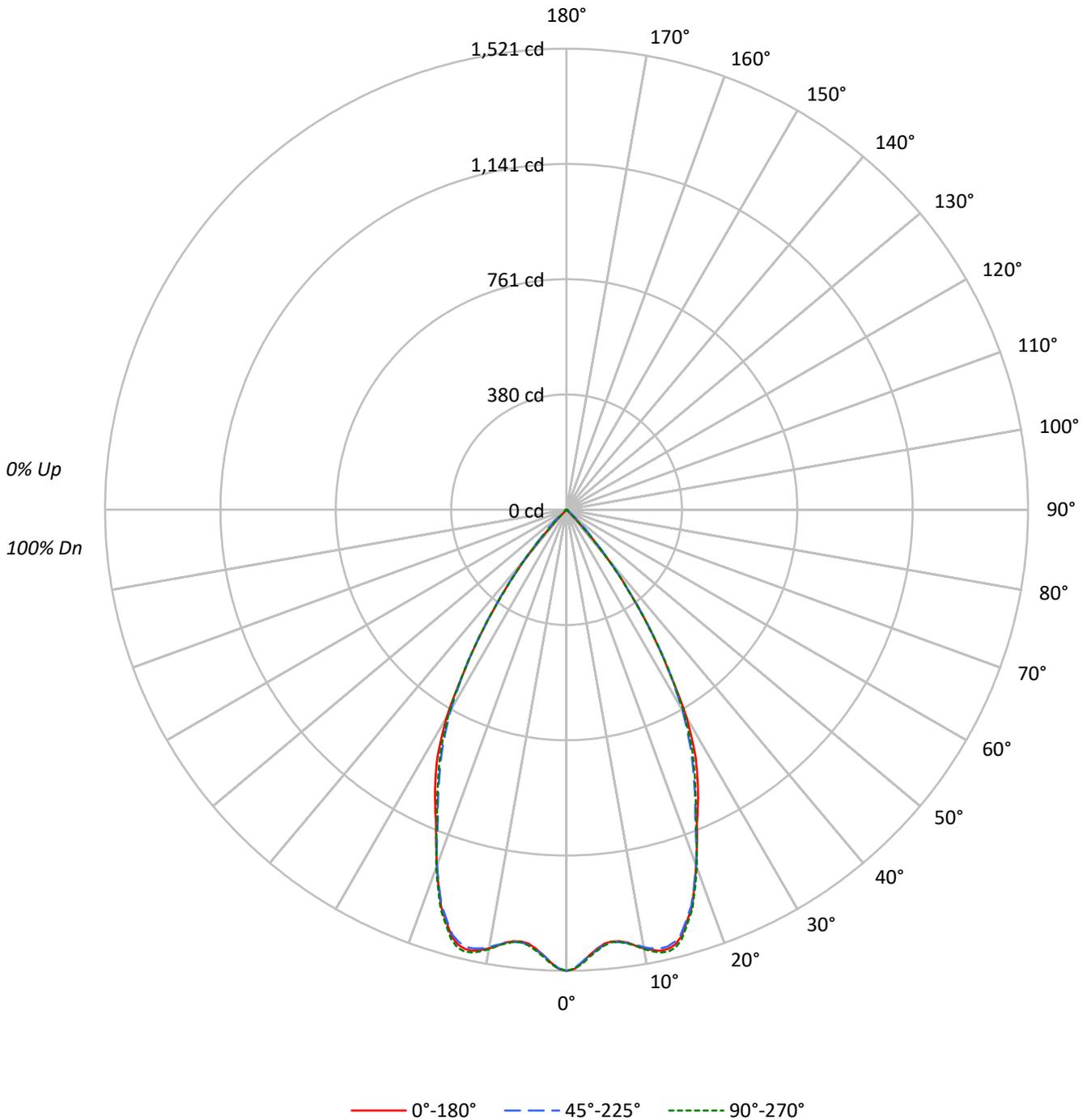
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1357.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1312629
CATALOG NUMBER: LDSQA3D13R609050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312629

CATALOG NUMBER: LDSQA3D13R609050DE010 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	100	100	100	100
1	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	82	82	82	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	76	76	76	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71	71	71	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	67	67	67	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55	55	55	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52	52	52	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	262020	262020	262020
5°	248343	249069	249432
10°	256968	256216	257527
15°	260101	258960	261599
20°	229021	228819	229992
25°	194891	189248	190863
30°	157303	151794	154340
35°	99551	100455	99320
40°	46538	48449	47257
45°	2850	17074	3361
50°	1420	3992	1420
55°	1591	1591	1591
60°	1447	1447	1447
65°	1304	1712	1304
70°	1611	1611	1611
75°	1397	1397	1397
80°	1091	1091	1091
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 17074 cd/sqm



TEST NUMBER: P1312629

CATALOG NUMBER: LDSQA3D13R609050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.6	10.2
10°-20°	399.4	29.4
20°-30°	460.4	33.9
30°-40°	295.6	21.8
40°-50°	51.4	3.8
50°-60°	4.9	0.4
60°-70°	3.7	0.3
70°-80°	2.2	0.2
80°-90°	0.7	0.1
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°	998.4	73.6
0°-40°	1294.0	95.4
0°-60°	1350.3	99.5
0°-90°	1357.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1357.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1436	1440	1441	1444	1443	138
15°	1459	1453	1452	1462	1467	400
25°	1026	1014	996	997	1004	468
35°	474	470	478	468	472	296
45°	12	35	70	41	14	39
55°	5	5	5	5	5	5
65°	3	4	4	4	3	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1312629

CATALOG NUMBER: LDSQA3D13R609050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1521.4	1521.4	1521.4	1521.4	1521.4
1°	1515.0	1514.0	1512.9	1514.0	1515.0
2°	1493.8	1492.7	1491.7	1495.9	1498.0
3°	1470.4	1471.5	1472.6	1474.7	1475.7
4°	1451.3	1453.4	1454.5	1456.6	1457.7
5°	1436.5	1439.6	1440.7	1443.9	1442.8
6°	1432.2	1434.3	1435.4	1436.5	1434.3
7°	1434.3	1435.4	1436.5	1438.6	1436.5
8°	1441.8	1442.8	1443.9	1445.0	1445.0
9°	1456.6	1454.5	1453.4	1457.7	1456.6
10°	1469.4	1466.2	1465.1	1471.5	1472.6
11°	1480.0	1475.7	1474.7	1482.1	1484.2
12°	1487.4	1481.0	1480.0	1489.5	1493.8
13°	1487.4	1478.9	1478.9	1489.5	1495.9
14°	1478.9	1469.4	1469.4	1481.0	1488.5
15°	1458.8	1453.4	1452.4	1461.9	1467.2
17.5°	1373.8	1367.4	1368.5	1379.1	1380.2
20°	1249.6	1246.4	1248.5	1250.7	1254.9
22.5°	1123.3	1121.1	1109.5	1112.6	1114.8
25°	1025.6	1013.9	995.9	996.9	1004.4
27.5°	922.6	910.9	885.4	890.8	898.2
30°	791.0	781.4	763.3	766.5	776.1
32.5°	621.1	640.2	623.2	628.5	625.3
35°	473.5	470.3	477.8	468.2	472.4
37.5°	333.4	334.4	337.6	329.1	329.1
40°	207.0	212.3	215.5	211.3	210.2
42.5°	87.1	118.9	125.3	118.9	88.1
45°	11.7	35.0	70.1	41.4	13.8
47.5°	5.3	7.4	37.2	7.4	5.3
50°	5.3	5.3	14.9	5.3	5.3
52.5°	5.3	5.3	5.3	5.3	5.3
55°	5.3	5.3	5.3	5.3	5.3
57.5°	5.3	5.3	5.3	5.3	5.3
60°	4.2	4.2	4.2	4.2	4.2
62.5°	4.2	4.2	4.2	4.2	4.2
65°	3.2	4.2	4.2	4.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.1	2.1	2.1	2.1	2.1
75°	2.1	2.1	2.1	2.1	2.1
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312629
CATALOG NUMBER: LDSQA3D13R609050DE010 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)