

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: P1324131

Luminaire Tested: LDSQA3D17R709030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

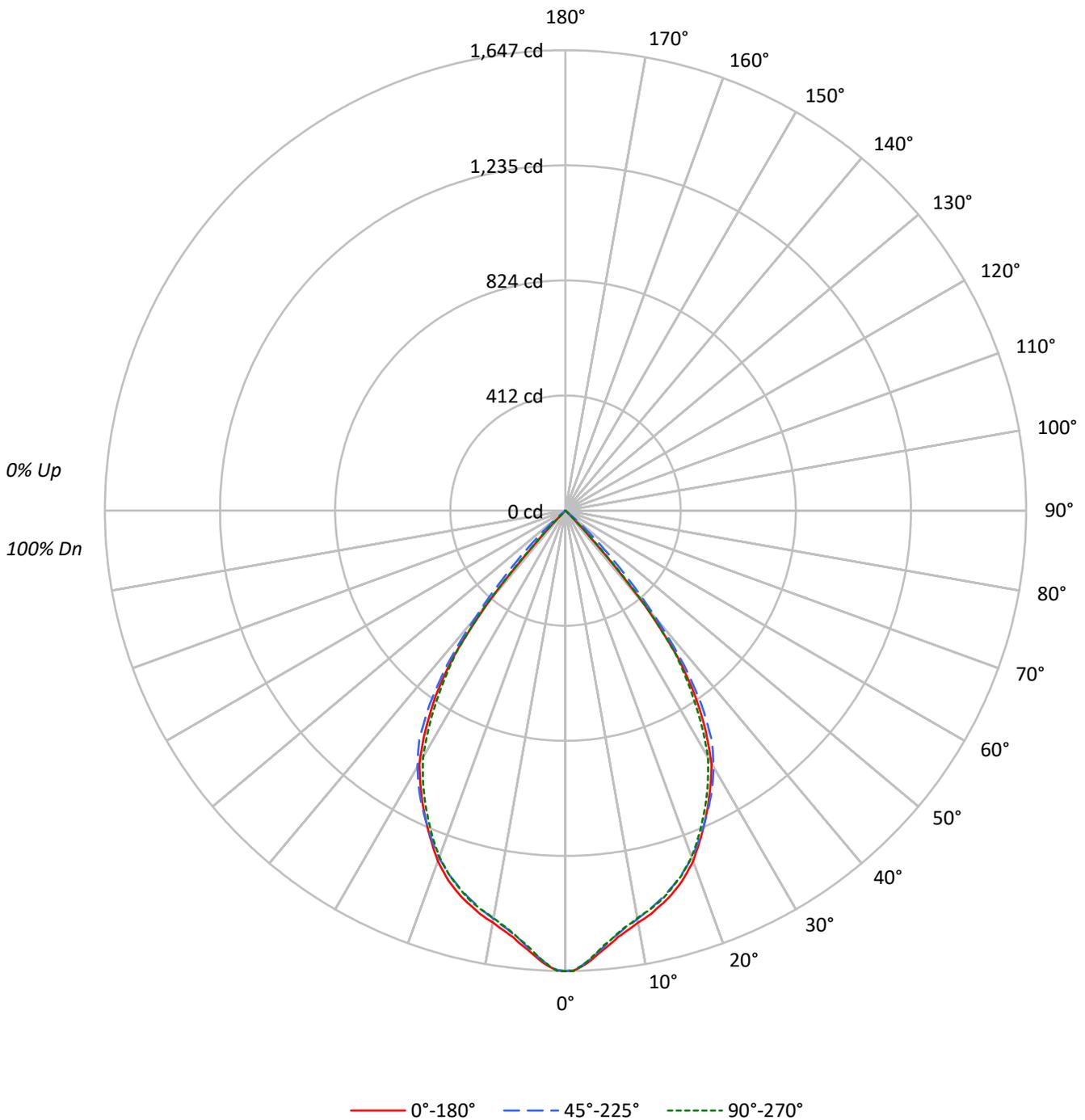
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1704.0 lumens
Efficiency: N/A
Efficacy: 62.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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

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Luminous Intensity Polar Plot





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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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	95	95	95	93
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	88	88	88	86
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	81	81	81	80
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	75	75	75	74
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	70	70	70	68
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	65	65	65	63
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	60	60	60	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	56	56	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	53	53	53	51
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	49	49	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	283668	283668	283668
5°	272287	270800	270039
10°	261585	259311	258804
15°	255394	251792	252309
20°	244563	242180	241649
25°	227006	227557	223984
30°	207755	210619	202604
35°	169962	178141	163297
40°	97842	114029	100427
45°	1413	47372	4920
50°	0	5010	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: 47372 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	8.6
10°-20°	398.2	23.4
20°-30°	547.0	32.1
30°-40°	496.0	29.1
40°-50°	115.3	6.8
50°-60°	0.6	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°	1092.2	64.1
0°-40°	1588.2	93.2
0°-60°	1704.0	100.0
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1575	1571	1566	1564	1562	148
15°	1432	1422	1412	1412	1415	402
25°	1195	1200	1198	1186	1179	548
35°	808	820	847	811	777	486
45°	6	65	194	84	20	70
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1647.1	1647.1	1647.1	1647.1	1647.1
1°	1645.6	1642.7	1644.2	1645.6	1647.1
2°	1632.7	1629.8	1629.8	1631.2	1631.2
3°	1616.8	1611.0	1611.0	1609.6	1609.6
4°	1595.2	1590.9	1588.0	1586.5	1586.5
5°	1575.0	1570.7	1566.4	1563.5	1562.0
6°	1557.7	1550.5	1544.8	1543.3	1544.8
7°	1537.5	1533.2	1527.5	1523.1	1524.6
8°	1523.1	1517.4	1510.2	1507.3	1507.3
9°	1510.2	1504.4	1497.2	1491.4	1494.3
10°	1495.8	1490.0	1482.8	1478.5	1479.9
11°	1485.7	1478.5	1469.8	1466.9	1468.4
12°	1474.1	1465.5	1456.9	1455.4	1458.3
13°	1459.7	1451.1	1442.4	1442.4	1445.3
14°	1446.8	1436.7	1428.0	1428.0	1432.4
15°	1432.4	1422.3	1412.2	1412.2	1415.1
17.5°	1389.1	1380.5	1370.4	1370.4	1371.8
20°	1334.4	1330.0	1321.4	1317.1	1318.5
22.5°	1265.2	1265.2	1260.9	1253.7	1250.8
25°	1194.6	1200.4	1197.5	1185.9	1178.7
27.5°	1121.1	1131.2	1132.6	1115.3	1102.4
30°	1044.7	1053.4	1059.1	1039.0	1018.8
32.5°	932.3	958.3	972.7	945.3	903.5
35°	808.4	819.9	847.3	811.3	776.7
37.5°	657.1	671.5	694.6	665.7	645.6
40°	435.2	492.8	507.2	492.8	446.7
42.5°	157.1	276.7	332.9	282.4	184.4
45°	5.8	64.8	194.5	83.6	20.2
47.5°	0.0	1.4	87.9	2.9	0.0
50°	0.0	0.0	18.7	0.0	0.0
52.5°	0.0	0.0	1.4	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)