

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: P1310602

Luminaire Tested: LDSQA3D17R709035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310602
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: LDSQA3D17R709035DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

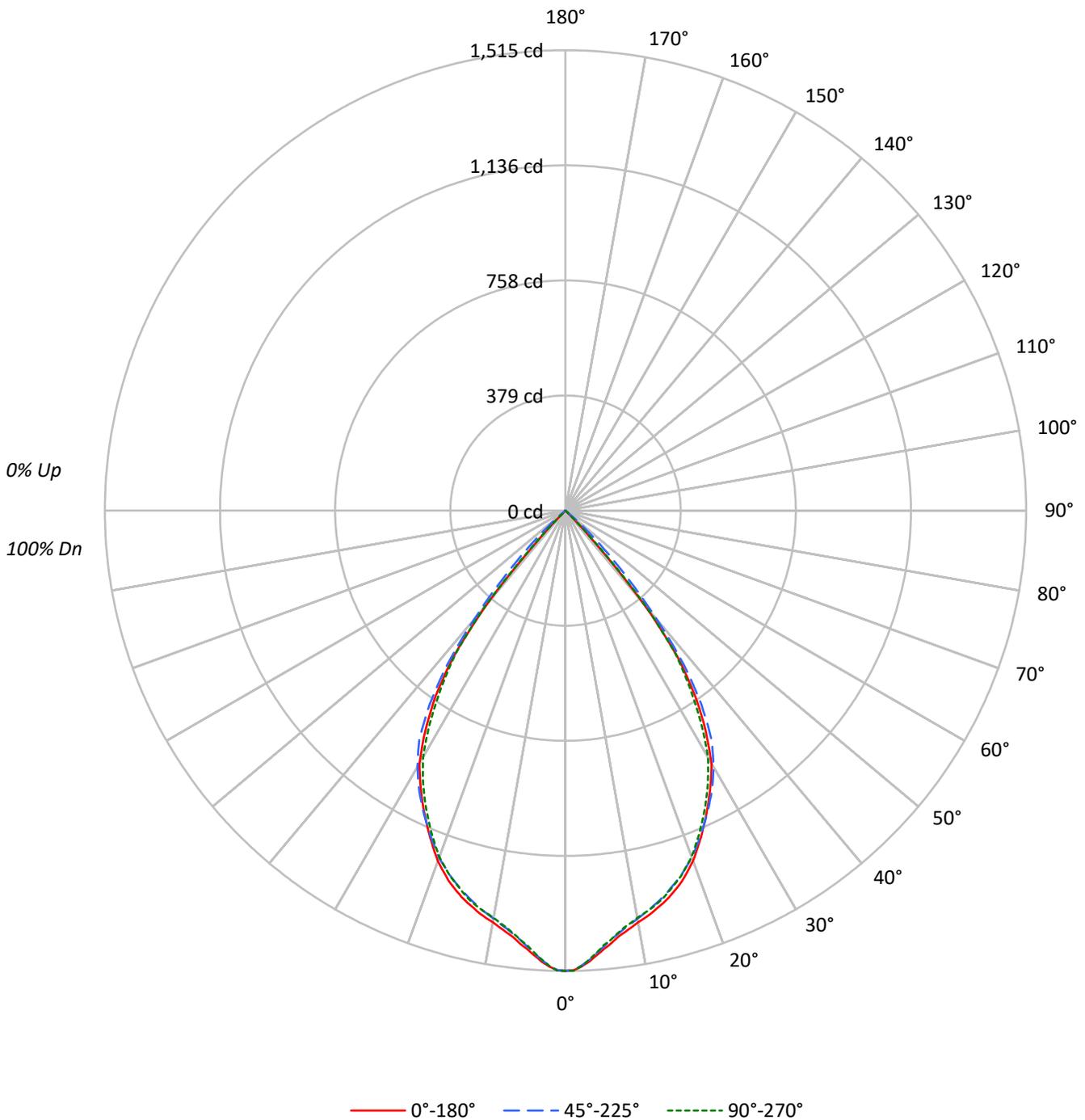
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1567.0 lumens
Efficiency: N/A
Efficacy: 73.9 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): 21.2
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: P1310602
CATALOG NUMBER: LDSQA3D17R709035DE010 3LSQCDR1MB

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°	260848	260848	260848
5°	250400	249017	248343
10°	240547	238466	237993
15°	234854	231538	232019
20°	224897	222716	222222
25°	208744	209257	205989
30°	191050	193695	186317
35°	156296	163823	150178
40°	89973	104879	92356
45°	1291	43573	4530
50°	0	4608	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: 43573 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	8.6
10°-20°	366.2	23.4
20°-30°	503.0	32.1
30°-40°	456.1	29.1
40°-50°	106.0	6.8
50°-60°	0.5	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°	1004.4	64.1
0°-40°	1460.5	93.2
0°-60°	1567.0	100.0
0°-90°	1567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1515	1515	1515	1515	1515	
5°	1448	1444	1440	1438	1436	136
15°	1317	1308	1299	1299	1301	370
25°	1098	1104	1101	1091	1084	504
35°	743	754	779	746	714	447
45°	5	60	179	77	19	64
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°	1514.6	1514.6	1514.6	1514.6	1514.6
1°	1513.3	1510.7	1512.0	1513.3	1514.6
2°	1501.4	1498.7	1498.7	1500.1	1500.1
3°	1486.8	1481.5	1481.5	1480.2	1480.2
4°	1466.9	1463.0	1460.3	1459.0	1459.0
5°	1448.4	1444.4	1440.4	1437.8	1436.5
6°	1432.5	1425.9	1420.6	1419.2	1420.6
7°	1413.9	1410.0	1404.7	1400.7	1402.0
8°	1400.7	1395.4	1388.8	1386.1	1386.1
9°	1388.8	1383.5	1376.8	1371.5	1374.2
10°	1375.5	1370.2	1363.6	1359.6	1360.9
11°	1366.2	1359.6	1351.6	1349.0	1350.3
12°	1355.6	1347.7	1339.7	1338.4	1341.0
13°	1342.4	1334.4	1326.5	1326.5	1329.1
14°	1330.4	1321.2	1313.2	1313.2	1317.2
15°	1317.2	1307.9	1298.6	1298.6	1301.3
17.5°	1277.4	1269.5	1260.2	1260.2	1261.5
20°	1227.1	1223.1	1215.2	1211.2	1212.5
22.5°	1163.5	1163.5	1159.5	1152.9	1150.2
25°	1098.5	1103.8	1101.2	1090.6	1084.0
27.5°	1031.0	1040.2	1041.6	1025.7	1013.7
30°	960.7	968.7	974.0	955.4	936.9
32.5°	857.4	881.2	894.5	869.3	830.9
35°	743.4	754.0	779.2	746.1	714.3
37.5°	604.3	617.5	638.7	612.2	593.7
40°	400.2	453.2	466.5	453.2	410.8
42.5°	144.4	254.4	306.1	259.7	169.6
45°	5.3	59.6	178.9	76.9	18.6
47.5°	0.0	1.3	80.8	2.7	0.0
50°	0.0	0.0	17.2	0.0	0.0
52.5°	0.0	0.0	1.3	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)